

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

I_{NFORMATION}

S_{YSTEM}

The requested documents have been generated by BIRIS.

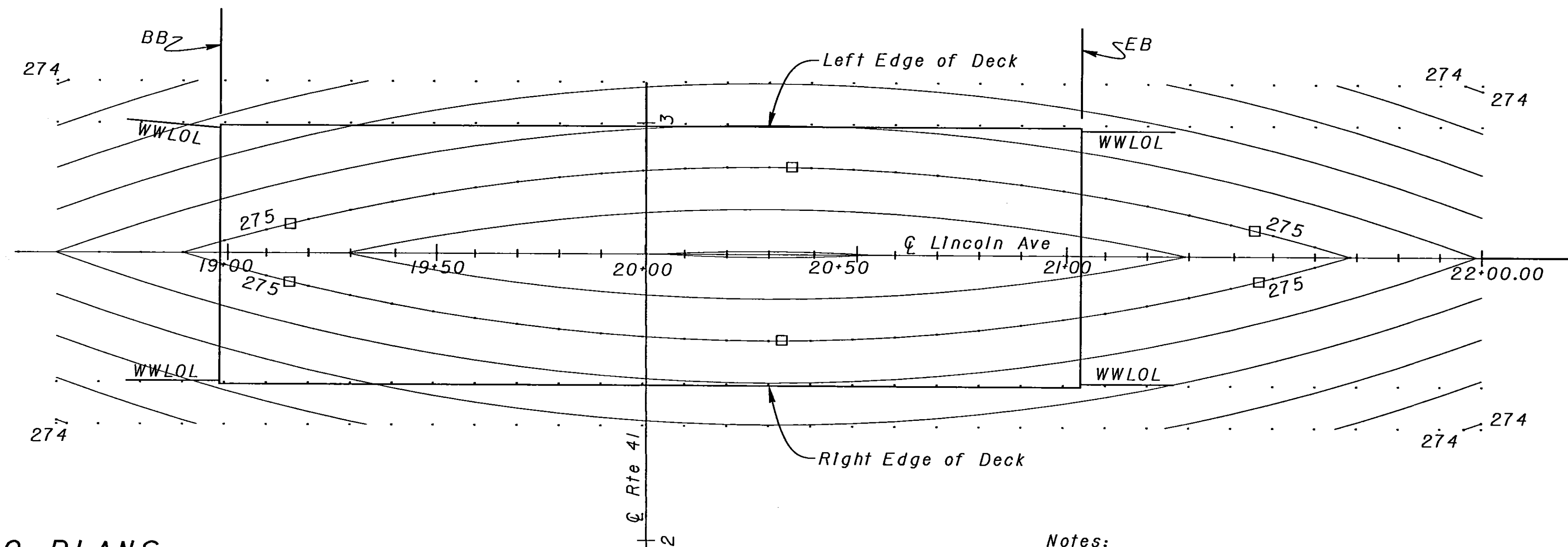
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Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	451	489
REGISTERED ENGINEER - CIVIL			No. 49591 Exp. 9-30-96 CIVIL STATE OF CALIFORNIA		
1-27-97			PLANS APPROVAL DATE		

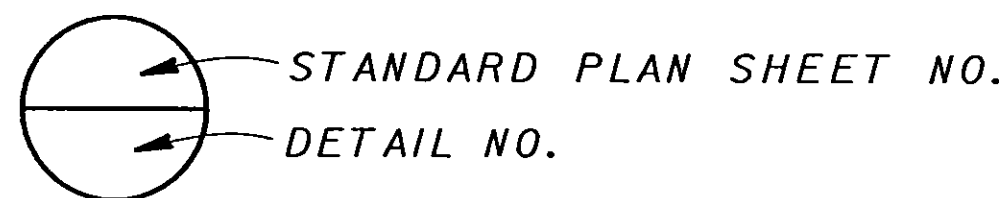
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AS BUILT N.K.
6-11-99
CORRECTIONS BY DAVID VALLEJOS
CONTRACT NO. 06-342124
DATE 3-3-99



INDEX TO PLANS

SHEET NO.	TITLE
1.	GENERAL PLAN
2.	DECK CONTOURS
3.	FOUNDATION PLAN
4.	ABUTMENT LAYOUT
5.	ABUTMENT DETAILS NO. 1
6.	ABUTMENT DETAILS NO. 2
7.	BENT DETAILS NO. 1
8.	BENT DETAILS NO. 2
9.	TYPICAL SECTION
10.	LONGITUDINAL SECTION
11.	GIRDER LAYOUT
12.	GIRDER REINFORCEMENT
13.	CONCRETE BARRIER TYPE 26 (MOD)
14.	SLOPE PAVING - FULL SLOPE
15.	LOG OF TEST BORINGS



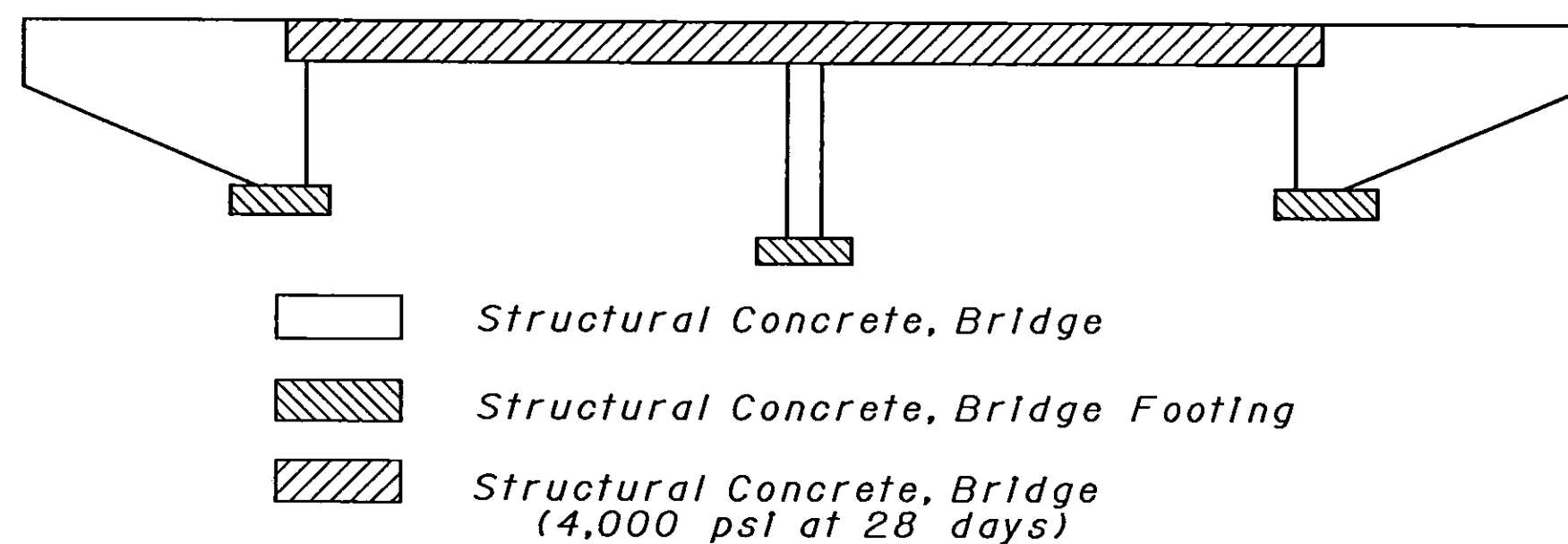
STANDARD PLANS DATED JULY 1992	
A62-C	EXCAVATION AND BACKFILL - BRIDGE
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B0-13	BRIDGE DETAILS
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B7-1	BOX GIRDER DETAILS
B7-10	UTILITY OPENING - BOX GIRDER
B8-5	CAST-IN-PLACE PRESTRESSED GIRDER DETAILS
B11-52	CHAIN LINK RAILING TYPE 7

PLAN

SCALE 1" = 20'

- Notes:
1. Contours do not include camber.
 2. Contours shown are top of PCC deck elevations.
 3. Contour Interval = 0.2 ft.
 4. + Indicates 10 foot intervals along station line.
 5. □ Indicates even foot contour.

Nail #	Elev.	Nail #	Elev.
1	275.248	10	275.249
2	275.457	11	275.439
3	275.467	12	275.449
4	275.623	13	275.671
5	275.769	14	275.785
6	275.809	15	275.840
7	275.692	16	275.742
8	275.681	17	275.742
9	275.603	18	275.688



- Structural Concrete, Bridge
- Structural Concrete, Bridge Footing
- Structural Concrete, Bridge (4,000 psi at 28 days)

CONCRETE STRENGTH AND TYPE LIMITS

No Scale

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS
(1983 AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 35 psf for future wearing surface.

LIVE LOADING: HS20-44 and alternative and permit design load.

SEISMIC LOADING: Peak Rock Acceleration = 0.1 g
Depth of Alluvium > 150 ft.

REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3,250$ psi
 $n = 9$
Transverse Deck Slabs (Working Stress Design)
 $f_s = 20,000$ psi
 $f_c = 1,200$ psi
 $n = 10$

PRESTRESSED CONCRETE: See "Prestressing Notes"

FOOTING PRESSURE: (Tons Per Square Foot)

	ALLOWABLE	DESIGN
Abut. 1&3	2.0	2.0
Bent. 2	4.0	4.0

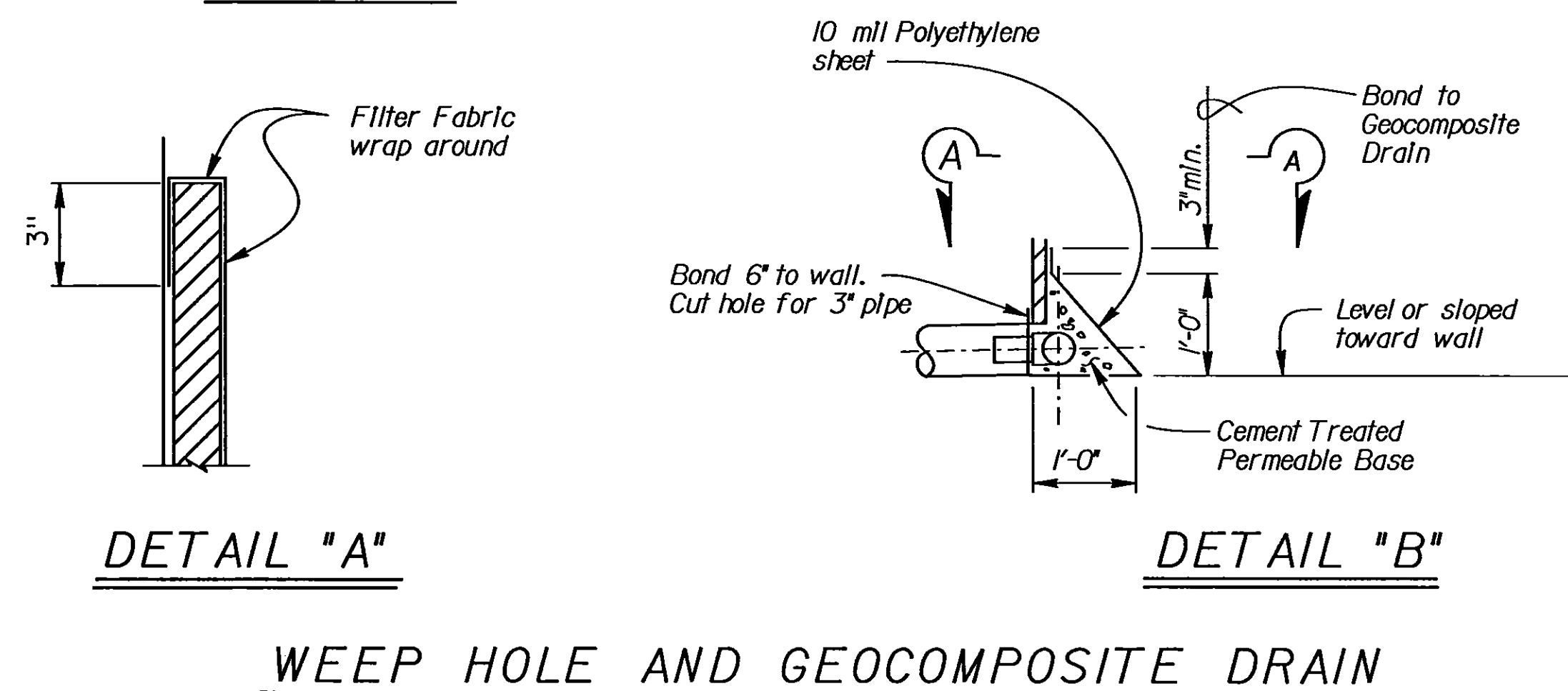
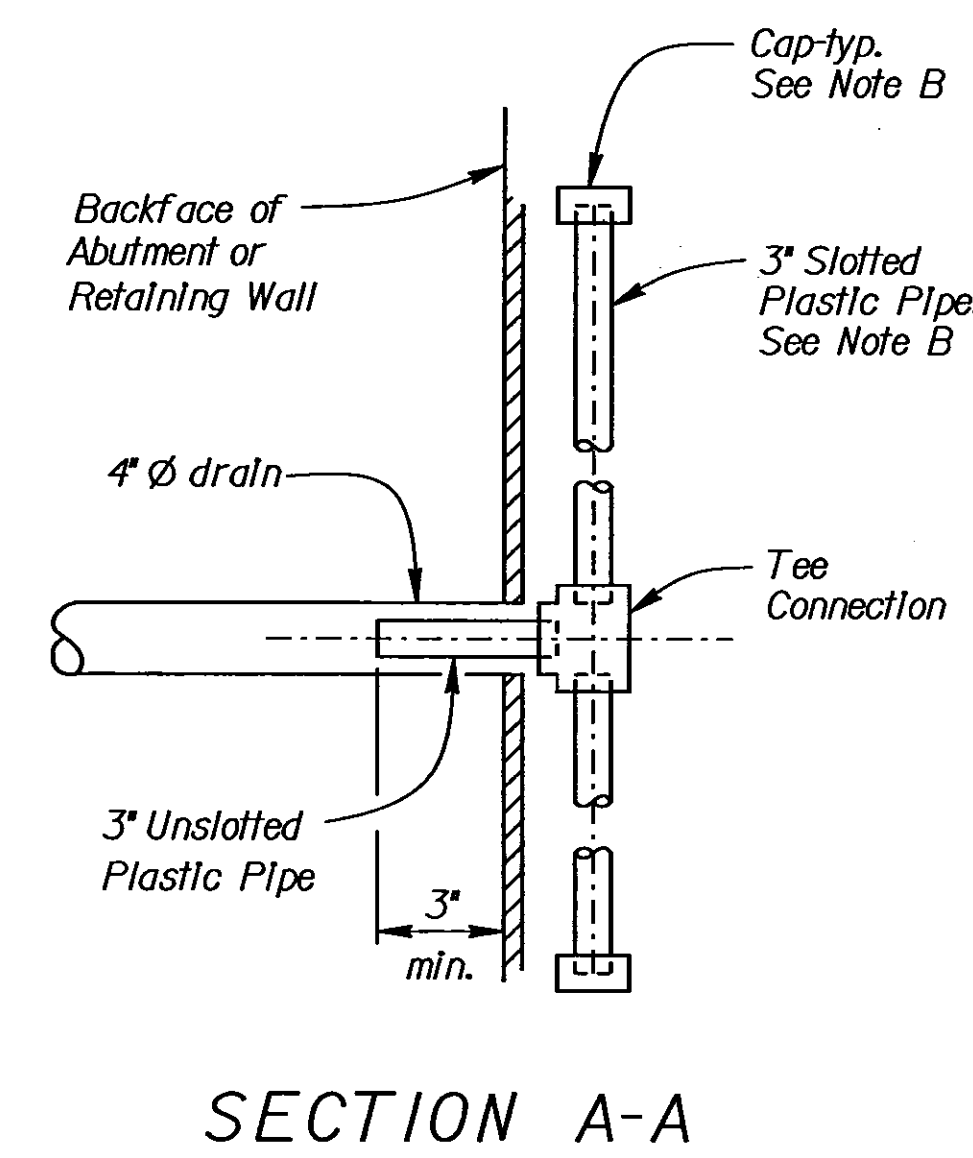
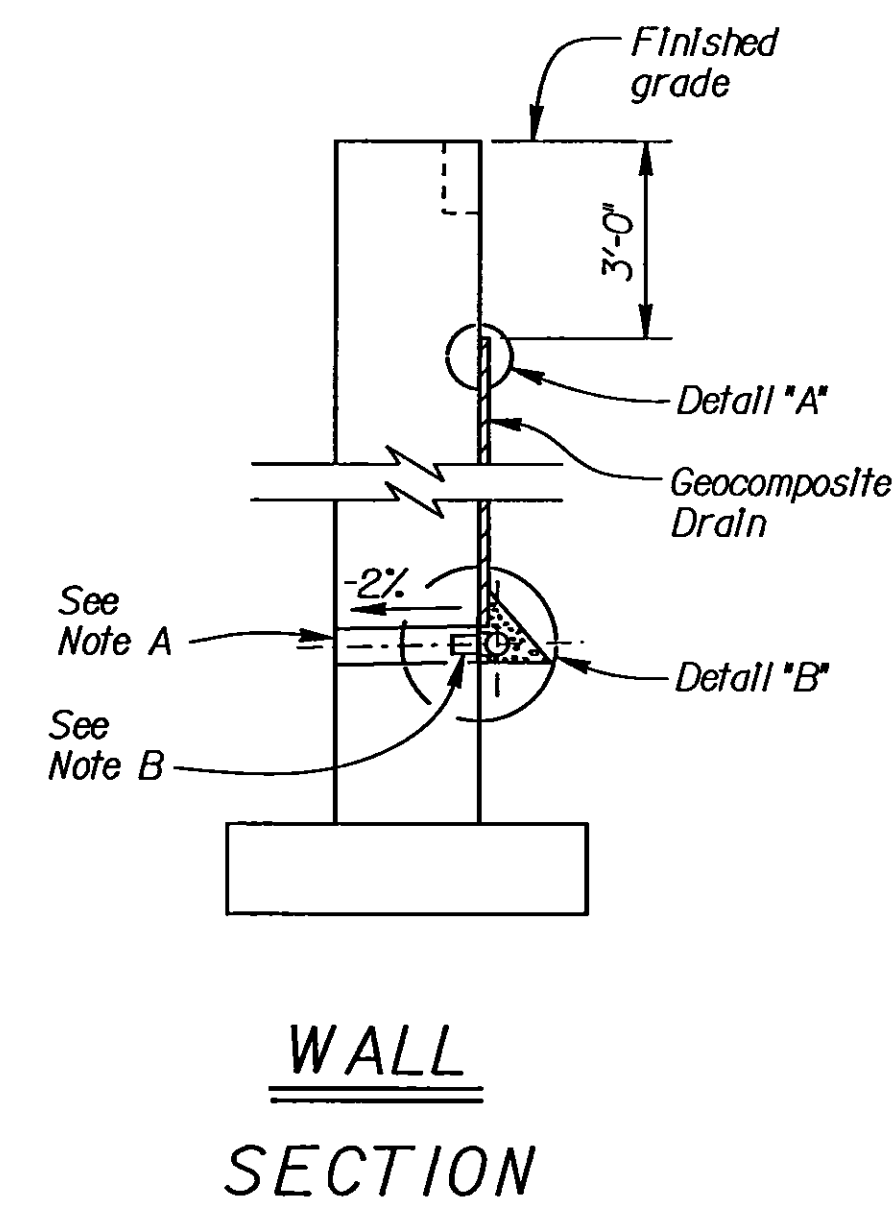
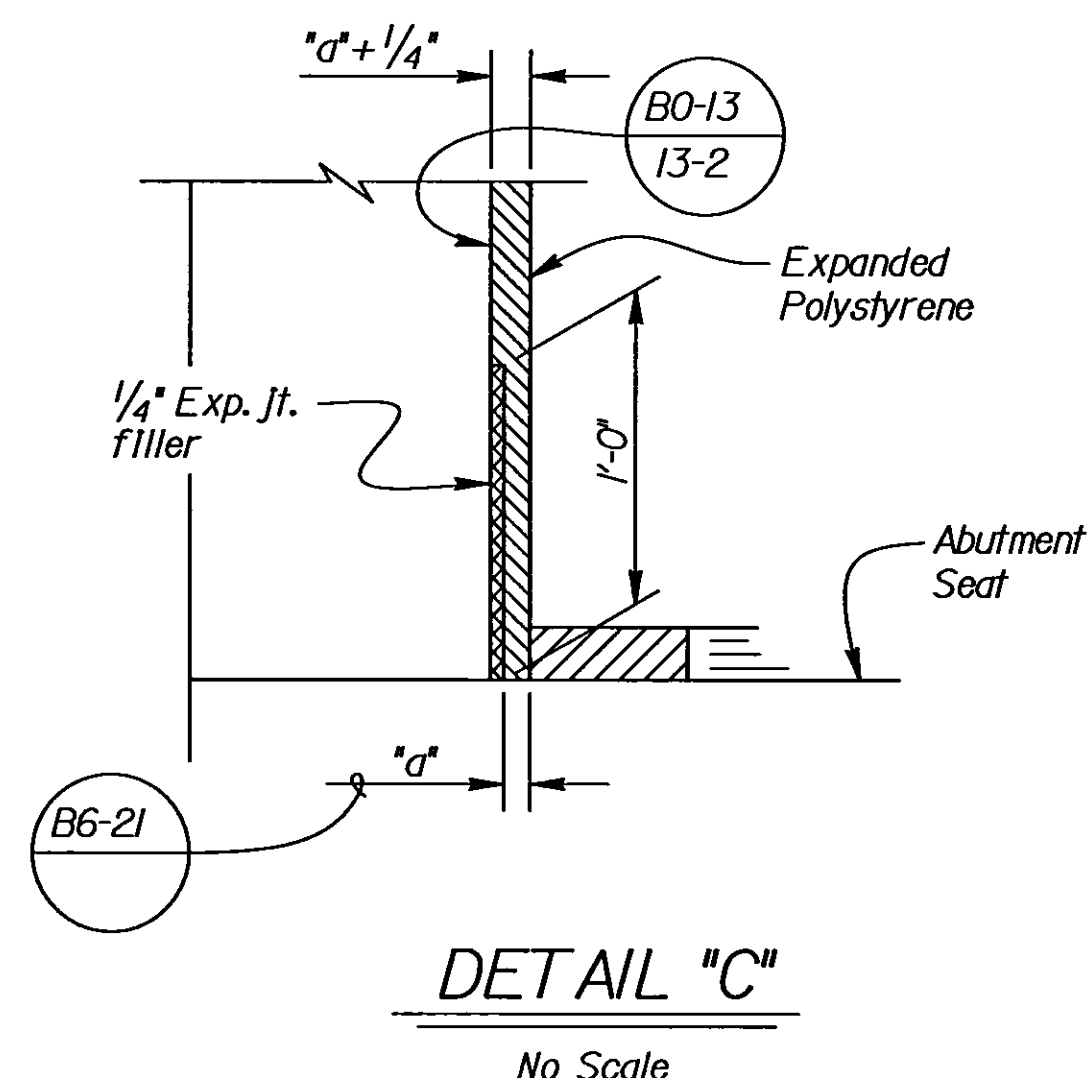
DESIGN	BY Overcomer Hor	CHECKED Stanley Ku	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN 8	BRIDGE NO.	LINCOLN AVE OVERCROSSING			
	DETAILS	BY Norm Kelley			CHECKED Stanley Ku		42-144		
	QUANTITIES	BY A.L. Hough			CHECKED Stanley Ku		POST MILE		
					R17.1	DECK CONTOUR			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					CU 06227 EA 342121	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
							3-01-96 3-08-96 3-20-96 3-27-96 4-18-96 5-08-96	2	15
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NO AS BUILT CORRECTIONS
AS BUILT N.K.
6-15-99
CORRECTIONS BY DAVID VALLEY XIS
CONTRACT NO. 06-342124
DATE 3-9-99

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	455	489
Patricia S. Preston REGISTERED ENGINEER - CIVIL					
1-27-97 PLANS APPROVAL DATE					

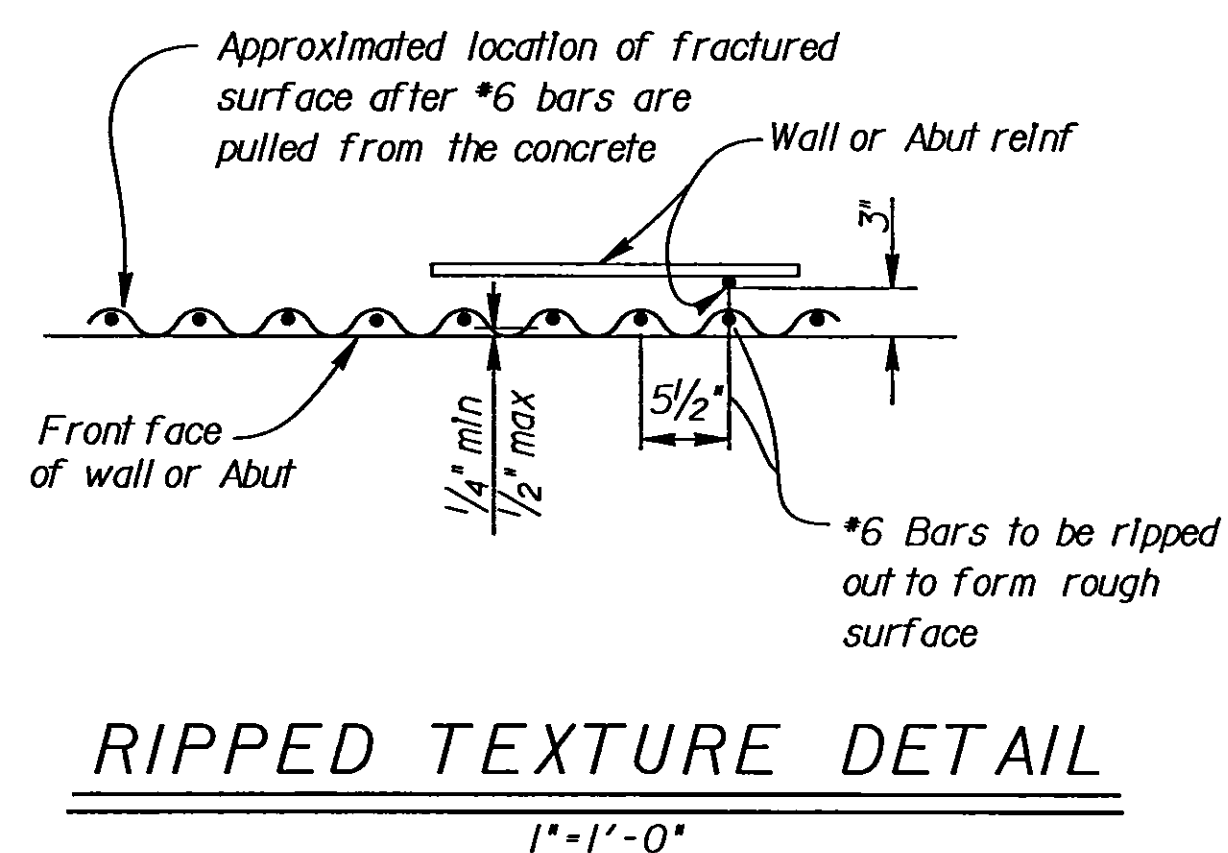
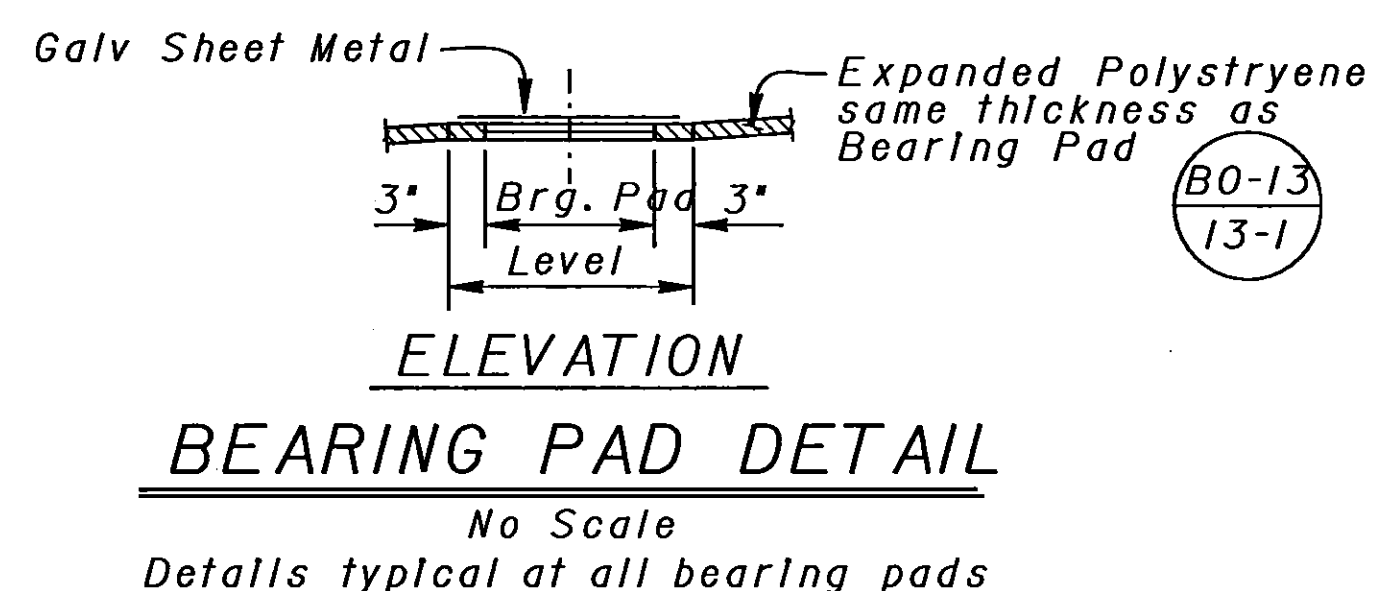
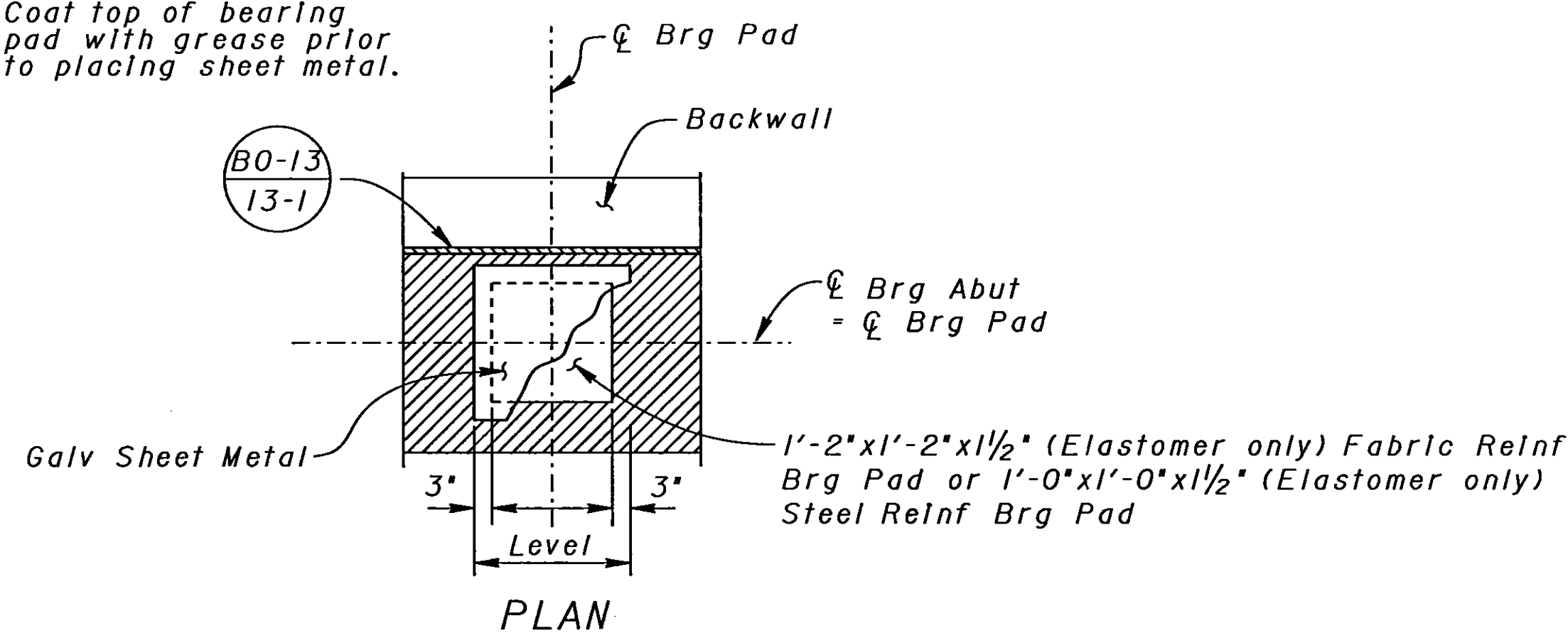
REGISTERED PROFESSIONAL ENGINEER
PATRICIA S. PRESTON
No. 49591
Exp. 9-30-96
CIVIL
DATE OF CALIFORNIA

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- Notes:
- 4" \varnothing drains at intermediate sag points and at 25' max. center to center (9' c-c for Type 3 and 9'-3" c-c for Type 4 retaining walls). For walls adjacent to sidewalks or curbs, provide 4" cast iron or asbestos cement pipe under the sidewalk to discharge through curb face. Exposed wall drains shall be located 3" \pm above finished grade.
 - Geocomposite drain, cement treated permeable base, and 3" \varnothing slotted plastic pipe continuous behind retaining wall or abutment. Cap ends of pipe. Provide "Tee" connection at each 4" \varnothing drain.
 - Connect the low end of plastic pipe to the main outlet pipe as applicable.

Note:
Coat top of bearing pad with grease prior to placing sheet metal.



DESIGN	BY Overcomer Hor	CHECKED Stanley Ku
DETAILS	BY Norm Kelley	CHECKED Stanley Ku
QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

BRIDGE NO.
42-144
POST MILE
R17.1

LINCOLN AVE OVERCROSSING
ABUTMENT DETAILS NO.2

DS OSD 2139 (CADD 9/95)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

CU 06227
EA 342121

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

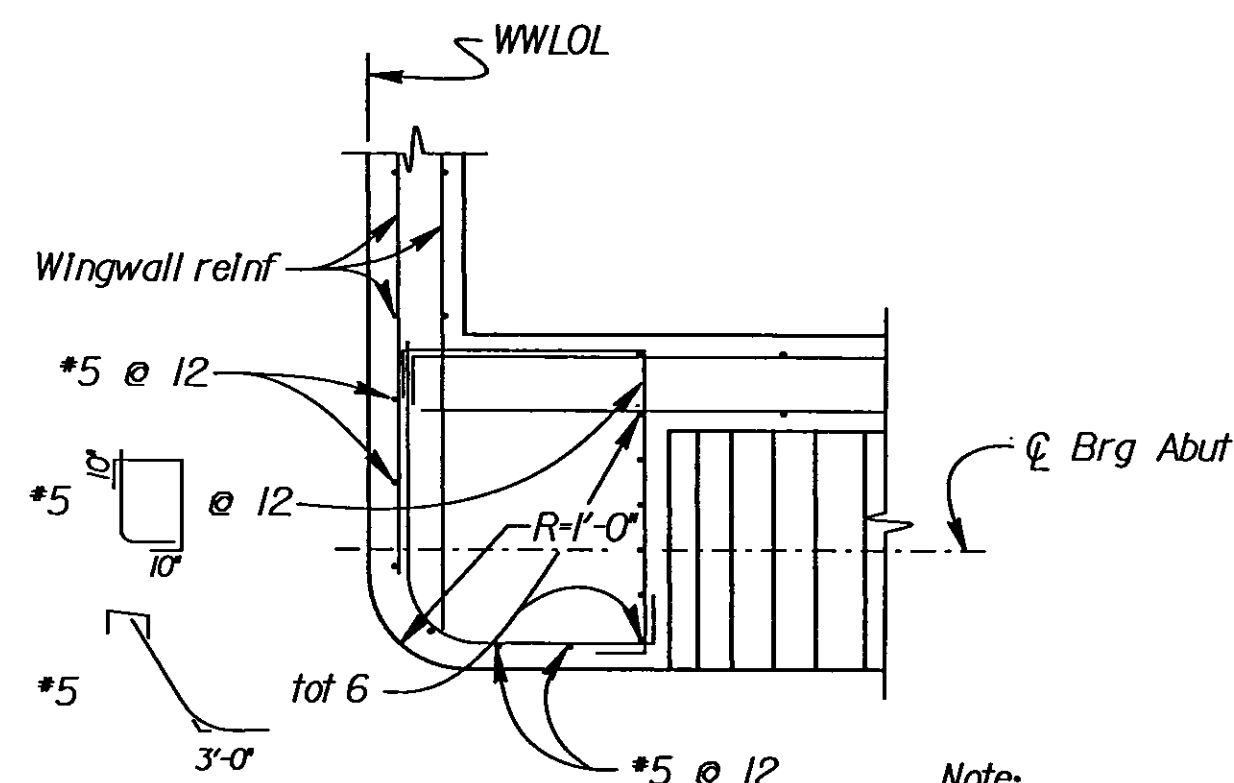
SHEET 6 OF 15

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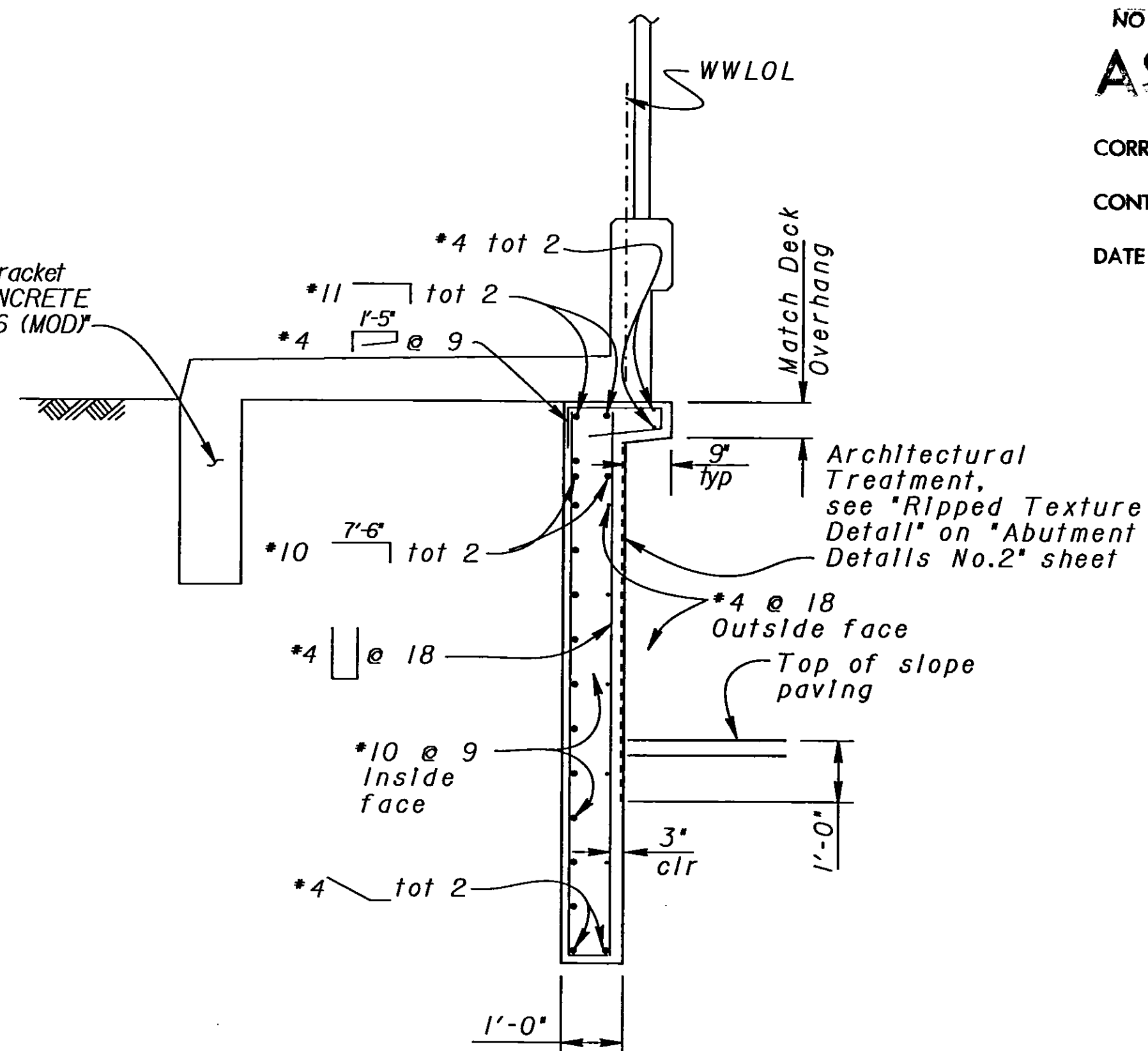
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	454	489

<i>Patricia S. Preston</i> REGISTERED ENGINEER - CIVIL		
1-27-97		
PLANS APPROVAL DATE		

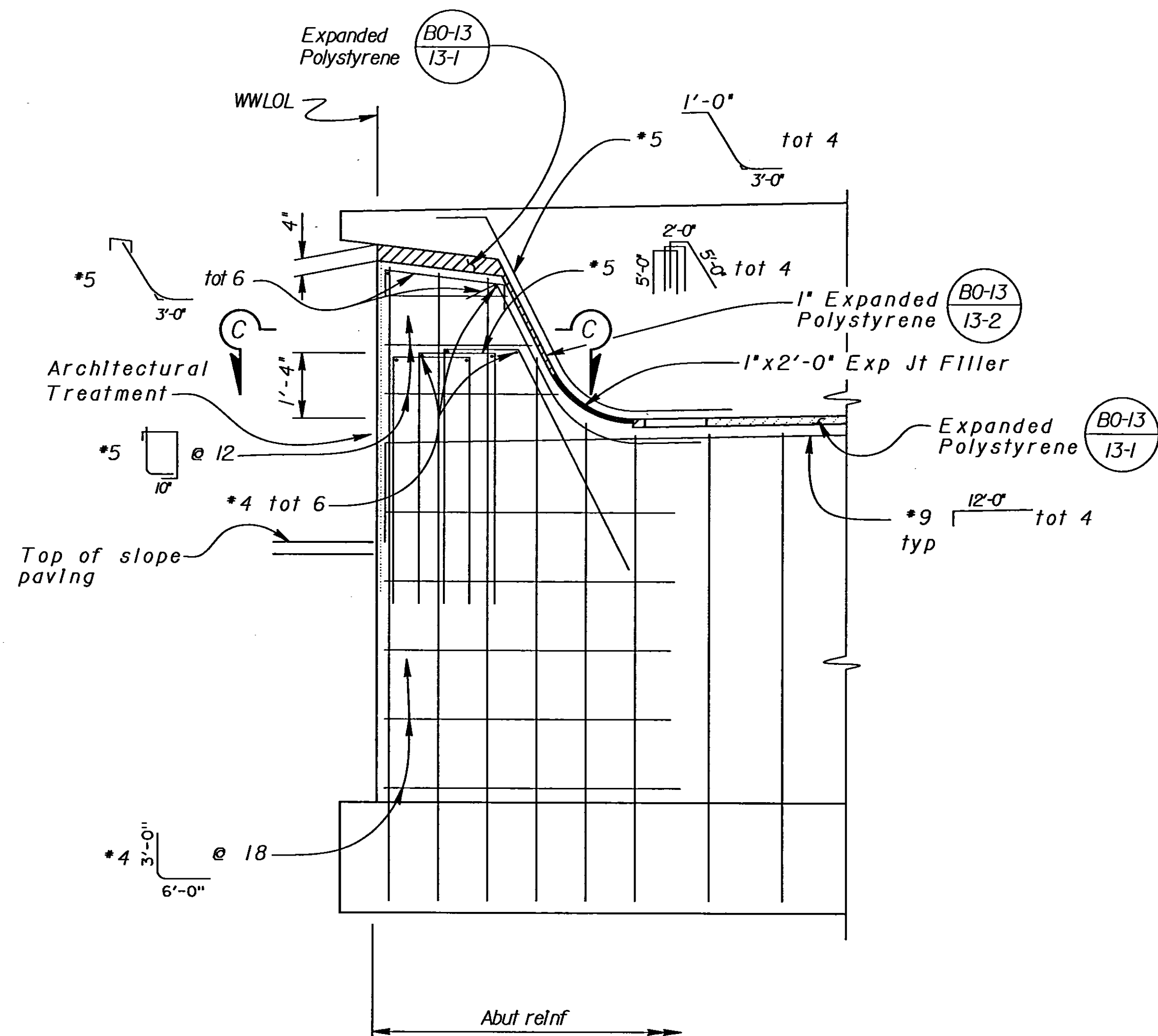
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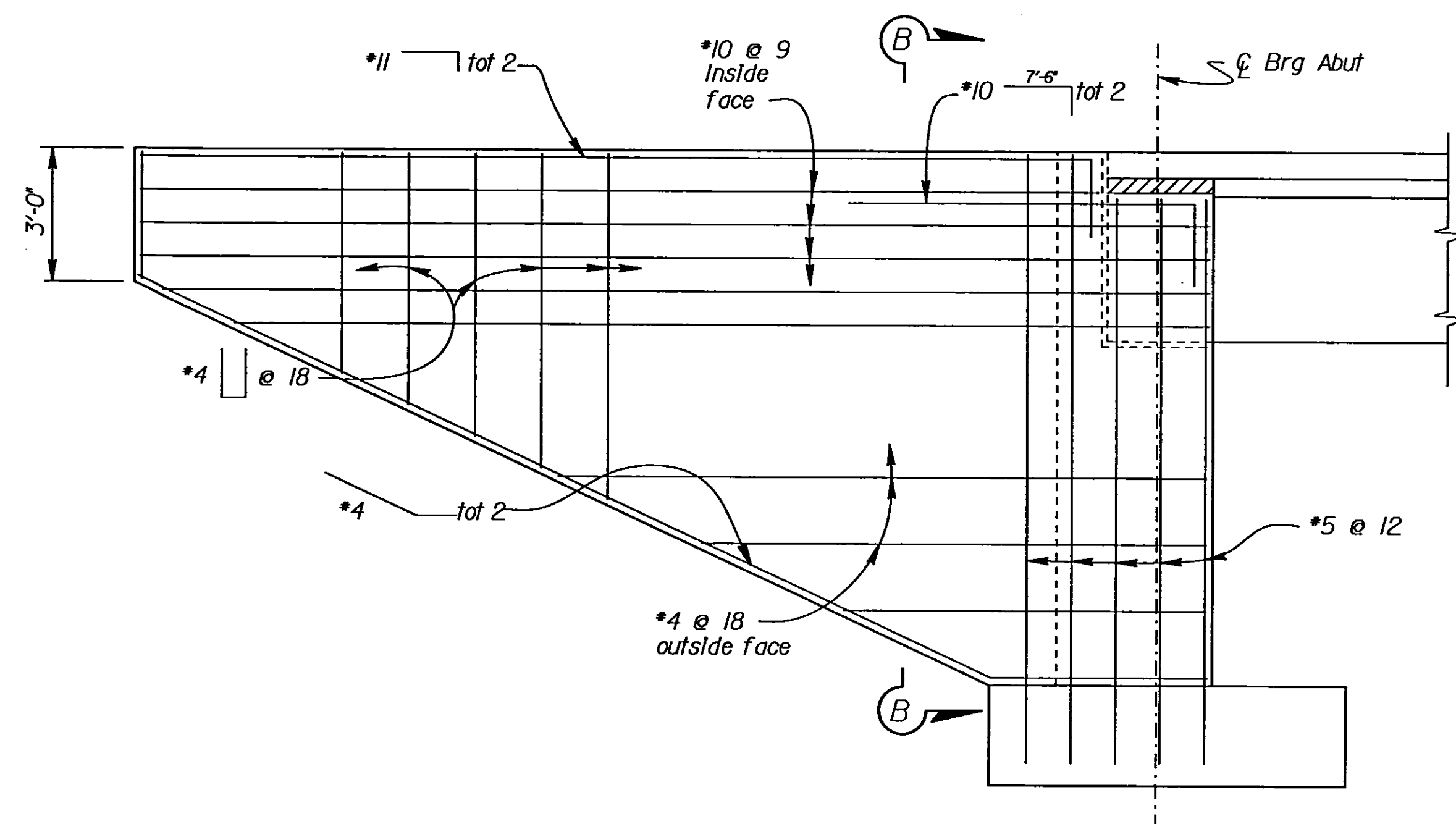
SECTION C-C
1/2" = 1'-0"



SECTION B-B
1/2" = 1'-0"



PART ELEVATION
1/2" = 1'-0"



WINGWALL ELEVATION
3/8" = 1'-0"

DESIGN	BY Overcomer Hor	CHECKED Stanley Ku
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QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

BRIDGE NO.	42-144
POST MILE	R17.1

LINCOLN AVE OVERCROSSING
ABUTMENT DETAILS NO.1

DS OSD 2139 (CADD 9/95)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2 3

CU 06227
EA 342121

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

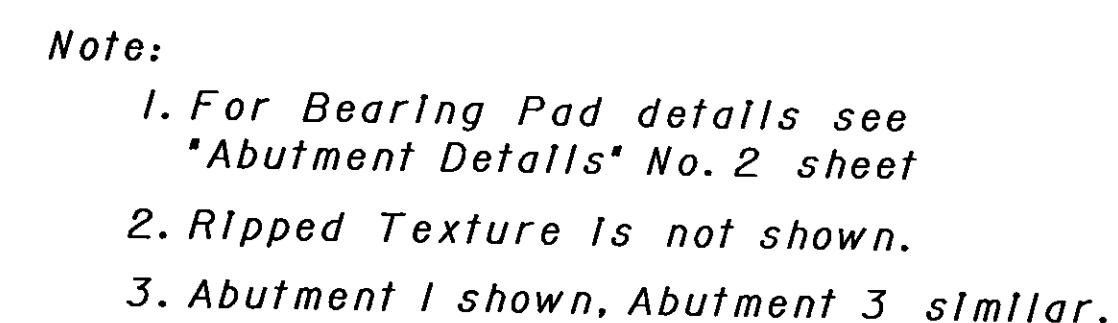
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7-1-96 3-28-96 1-12-96 4-29-96 5-13-96

SHEET 5 OF 15

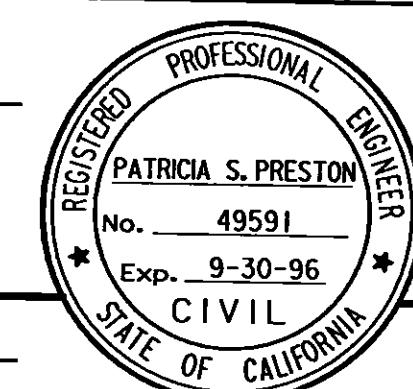
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06	Fre	41	R12.1/R20.7	453	489

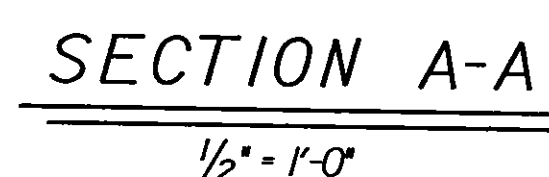
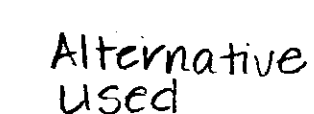
Patricia J. Preston
REGISTERED ENGINEER - CIVIL



1-27-97

PLANS APPROVAL DATE

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AS BUILT ^{N.K.}
6-15-99

CORRECTIONS BY DAVID VALLE JOS

CONTRACT NO. 06-342124

DATE 3-9-90

Note:
Abutment 1 shown, Abutment 3
similar

DESIGN	BY Overcomer Hor	CHECKED Stanley Ku
DETAILS	BY Norm Kelley	CHECKED Stanley Ku
QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES STRUCTURE DESIGN 8

BRIDGE NO.
42-144
POST MILE
R17.1

LINCOLN AVE OVERCROSSING
ABUTMENT LAYOUT

DS OSD 2139 (CADD 9/95)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 06227
EA 342121

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET	OF
4	10

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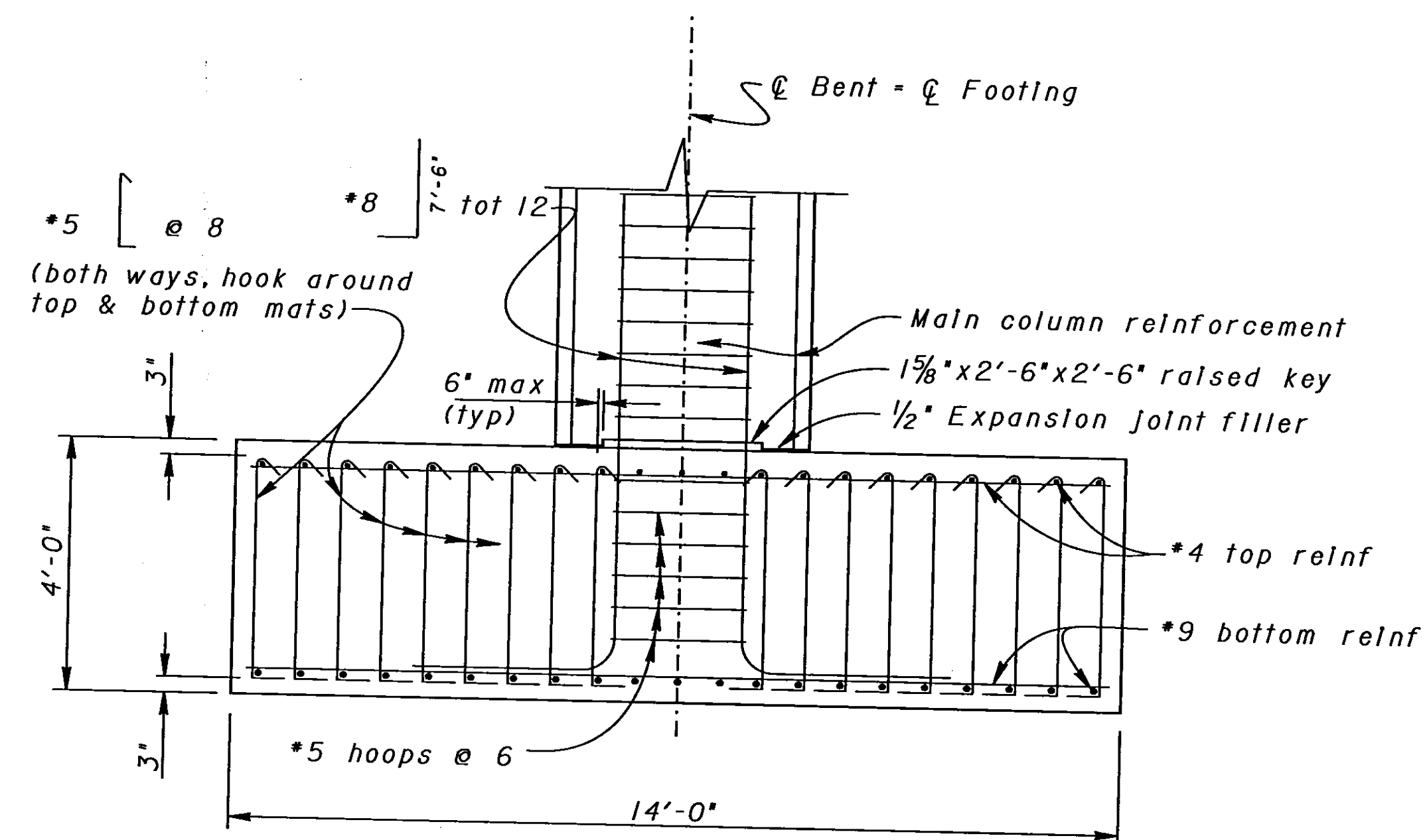
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Patricia S. Preston
REGISTERED ENGINEER - CIVIL

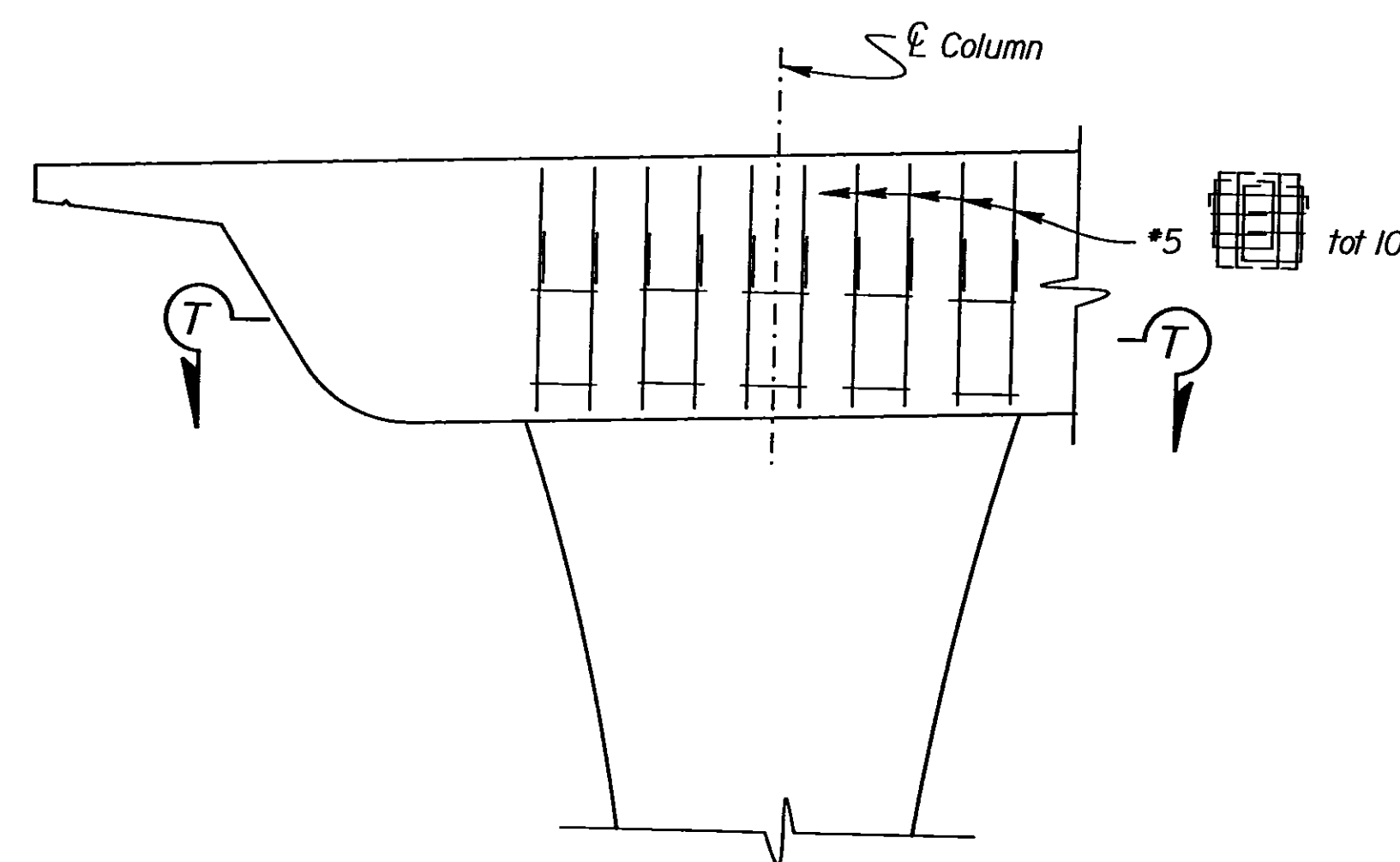
1-27-97
PLANS APPROVAL DATE

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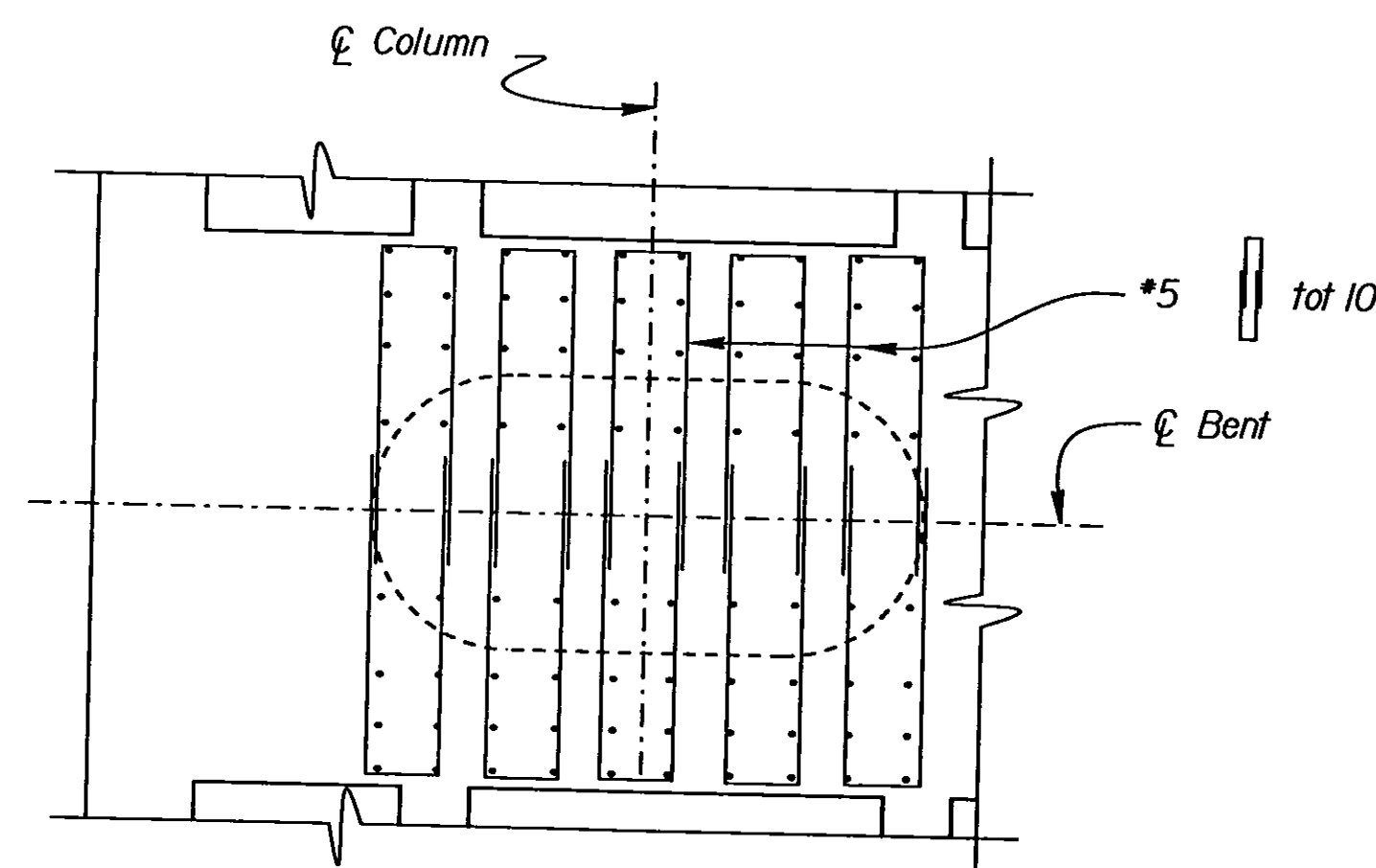
REGISTERED PROFESSIONAL ENGINEER
PATRICIA S. PRESTON
No. 49591
Exp. 9-30-96
CIVIL
STATE OF CALIFORNIA



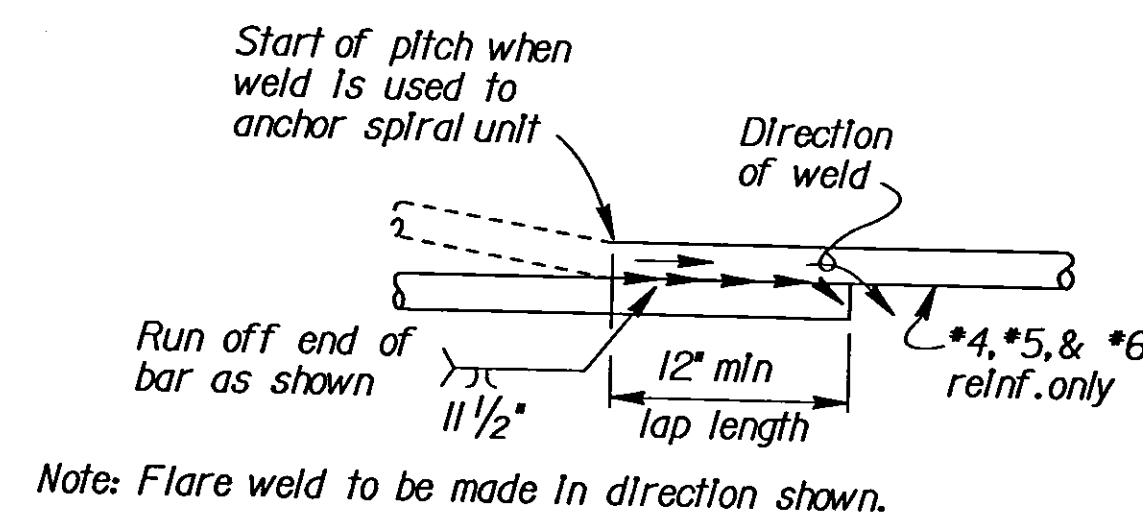
FOOTING ELEVATION
1/2" = 1'-0"



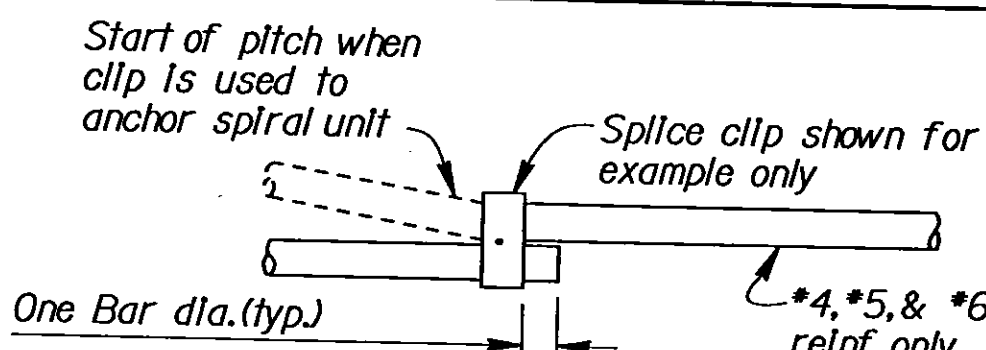
JOINT SHEAR REINFORCEMENT DETAIL
3/8" = 1'-0"



SECTION T-T
3/8" = 1'-0"

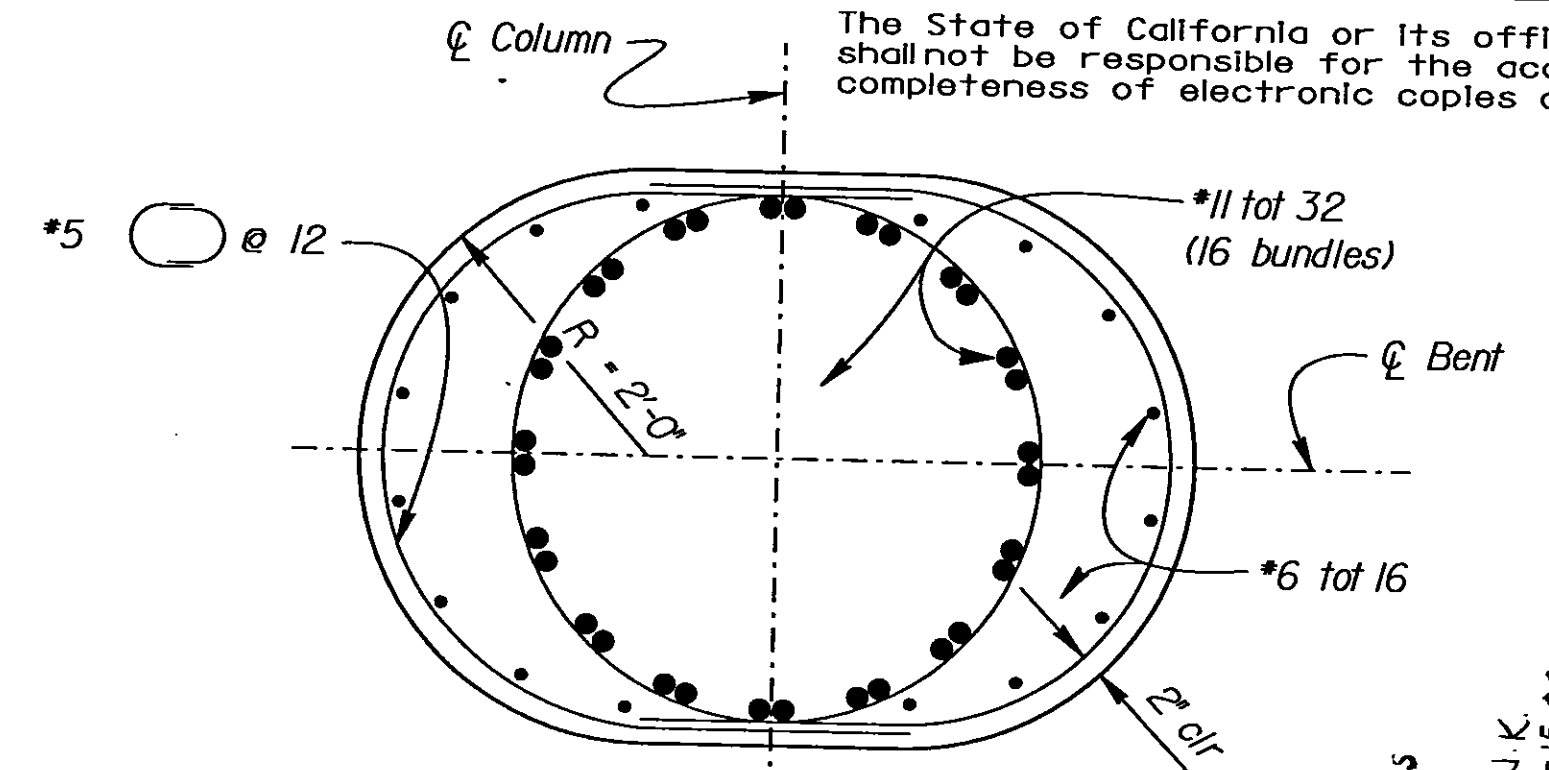


WELDED LAP SPLICE AND ANCHOR

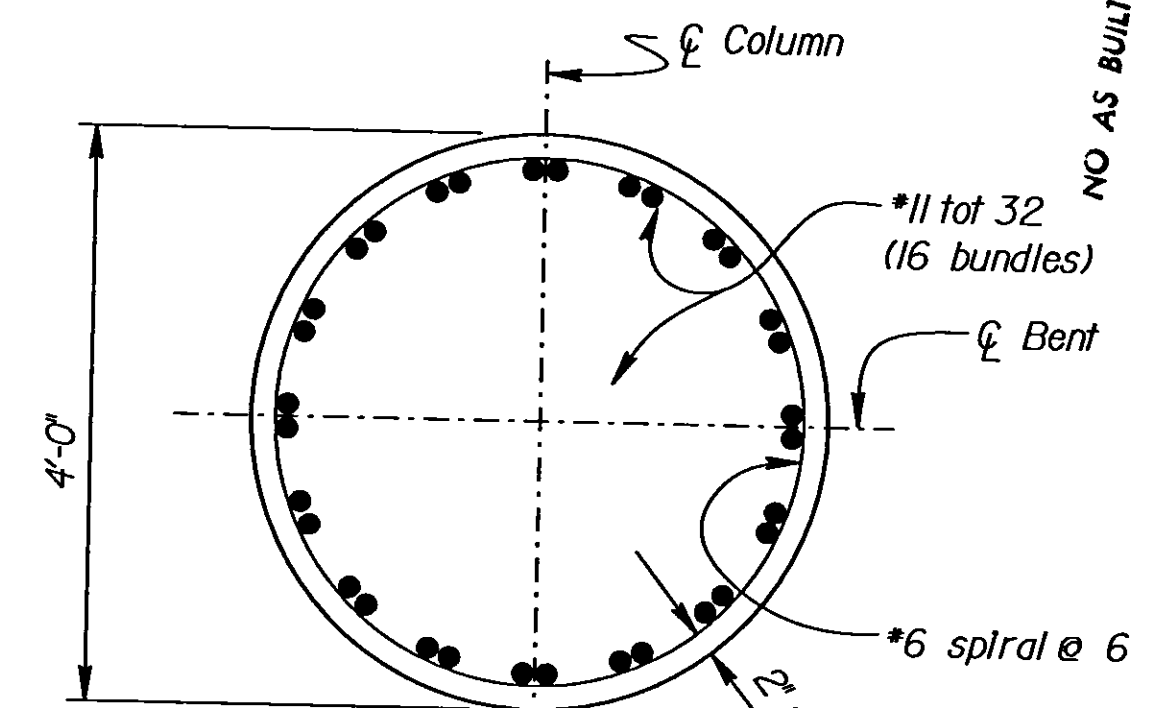


MECHANICAL LAP SPLICE AND ANCHOR

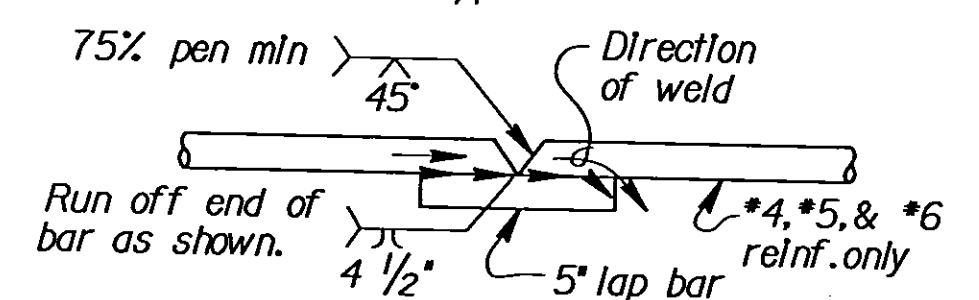
BAR SPIRAL SPLICE & SPIRAL ANCHOR AND HOOP DETAIL



SECTION F-F
3/4" = 1'-0"

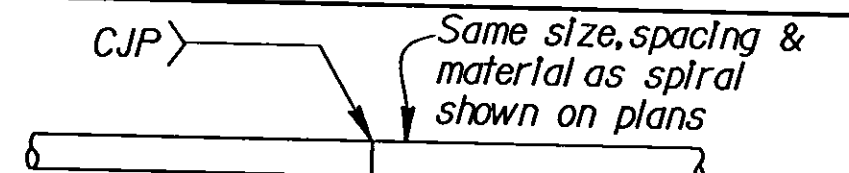


SECTION G-G
3/4" = 1'-0"



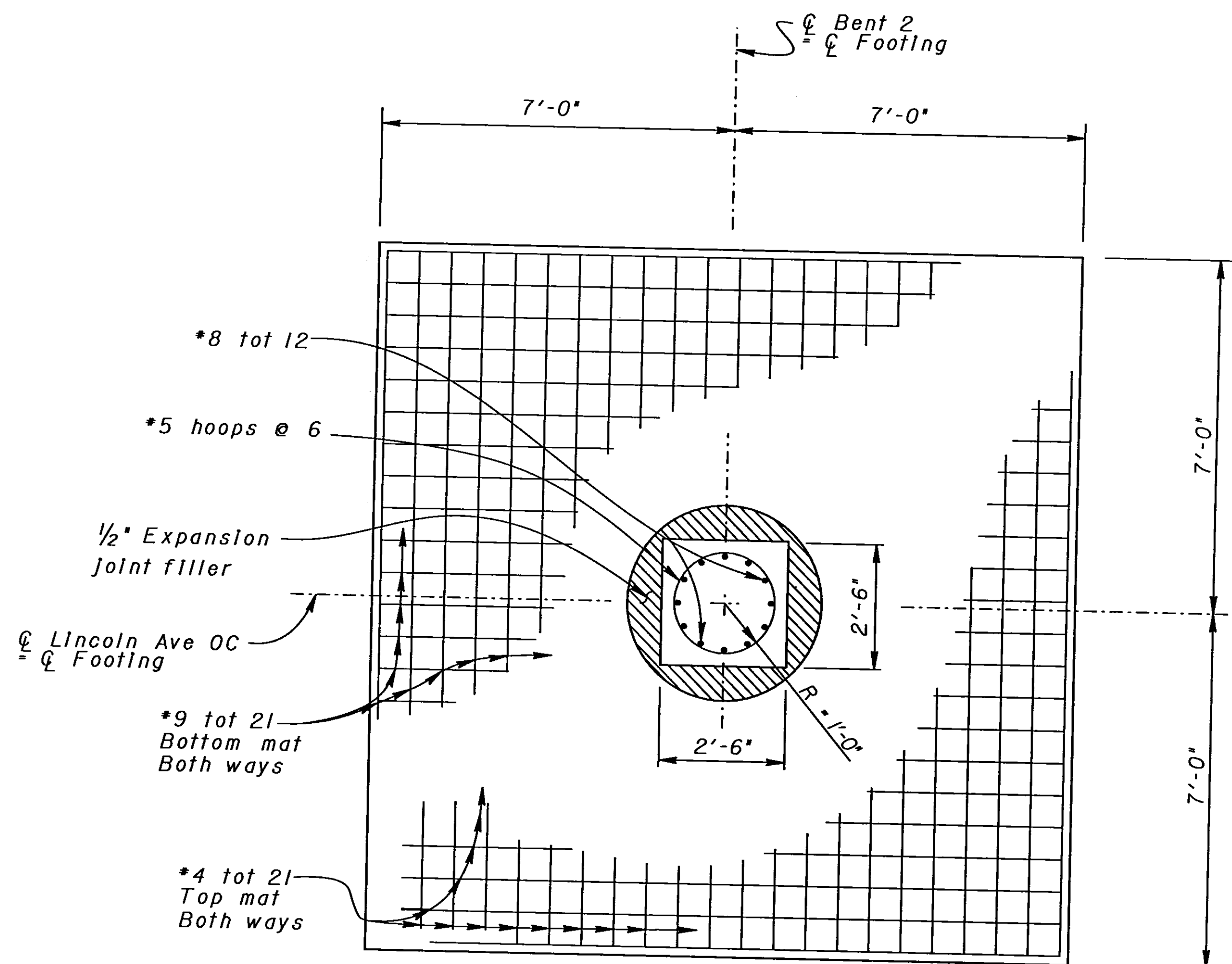
1. Butt weld to be made first.
2. Butt weld to be made in flat or horizontal position.
3. Lap bar to be centered on splice.
4. Flare weld to be made in direction shown.
5. Lap bar equal size to spiral bar.

VEE GROOVE WELDED SPLICE



Individual hoops, made continuous with 100% penetration welds, may be substituted for spirals.

BUTT WELDED CONTINUOUS HOOP



FOOTING PLAN
1/2" = 1'-0"

DESIGN	BY Overcomer Hor	CHECKED Stanley Ku
DETAILS	BY Norm Kelley	CHECKED Stanley Ku
QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku

STATE OF CALIFORNIA	DIVISION OF STRUCTURES
DEPARTMENT OF TRANSPORTATION	STRUCTURE DESIGN 8

BRIDGE NO.	42-144	LINCOLN AVE OVERCROSSING
POST MILE	R17.1	
		BENT DETAILS NO.2

DS OSD 2139 (CADD 9/95)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 06227
EA 342121

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 8 OF 15

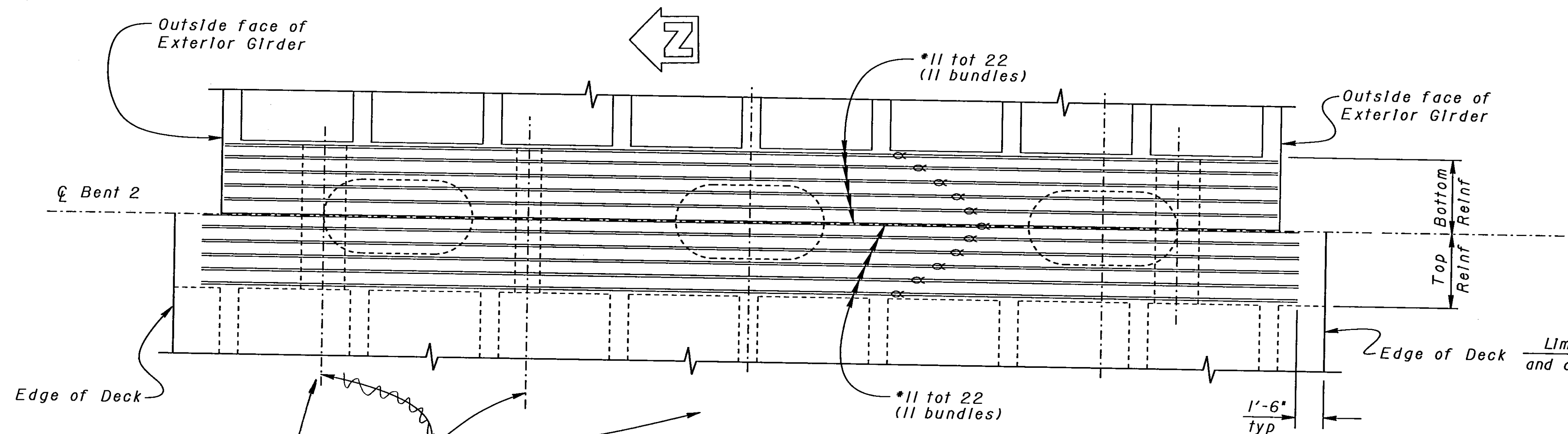
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	456	489

AS BUILT N.K. 6-15-99
CORRECTIONS BY DAVID VALLEJOS
CONTRACT NO. 06-342124
DATE 3-9-99

Patricia S. Preston
REGISTERED ENGINEER - CIVIL
No. 49591
Exp. 9-30-96
CIVIL
STATE OF CALIFORNIA

1-27-97
PLANS APPROVAL DATE

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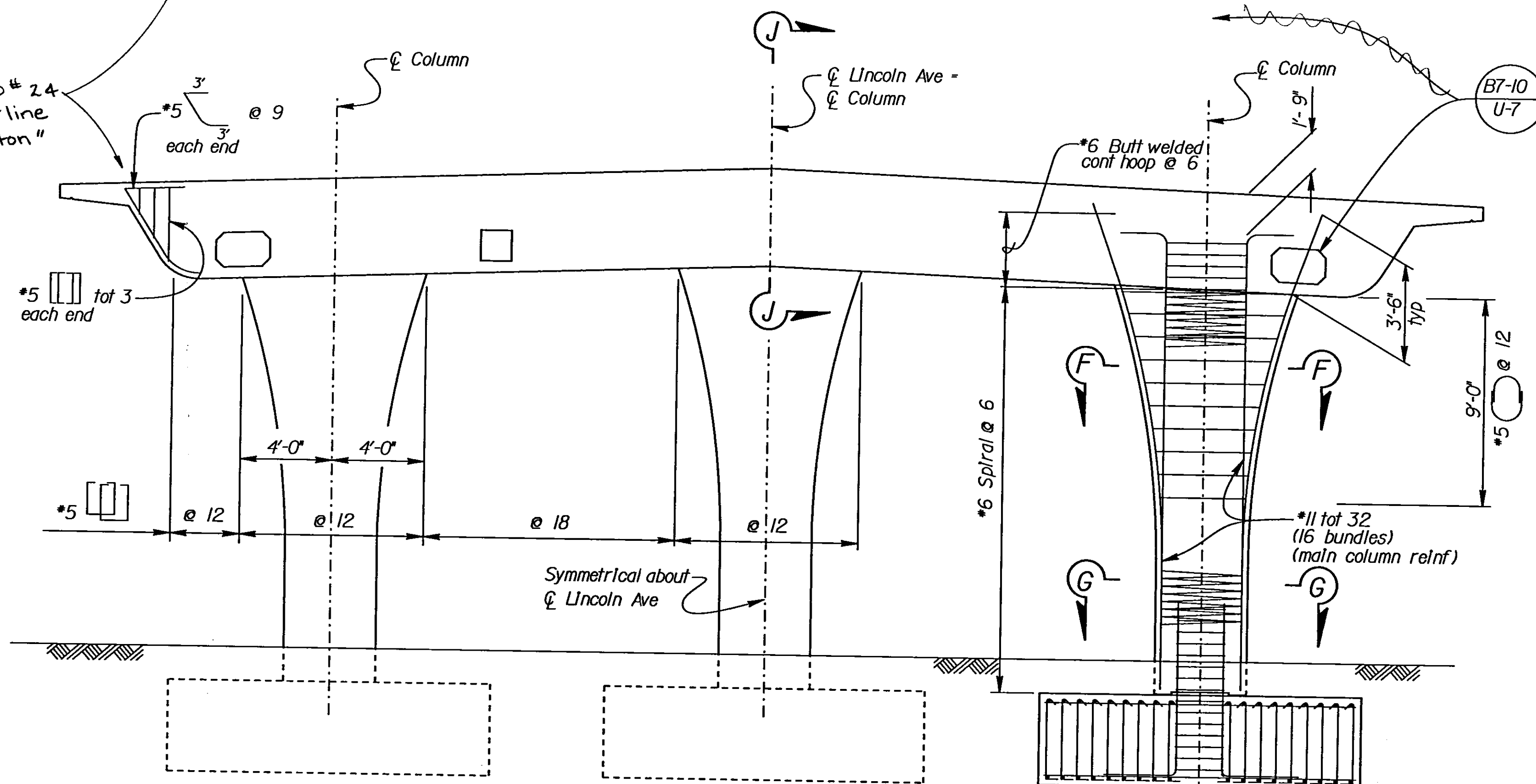


PLAN

1/4" = 1'-0"

Note: Reinforcement symmetrical about C Bent 2.

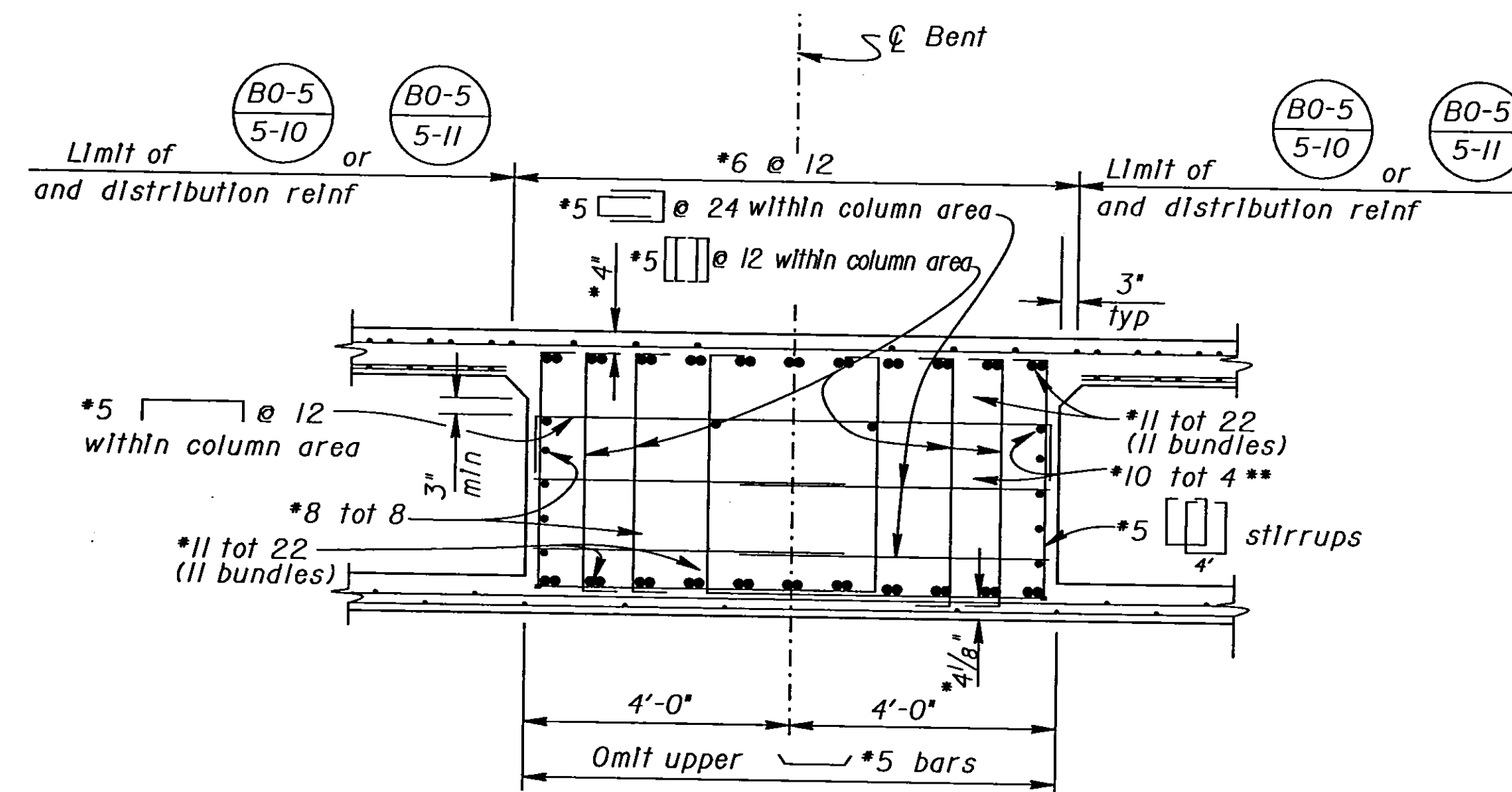
Revised CCO #24
Added Waterline
"City of Gaston"



ELEVATION

1/4" = 1'-0"

Notes:
1. For Sections F-F and G-G, see "BENT DETAILS NO. 2" sheet.
2. No splices allowed in main column reinforcement.

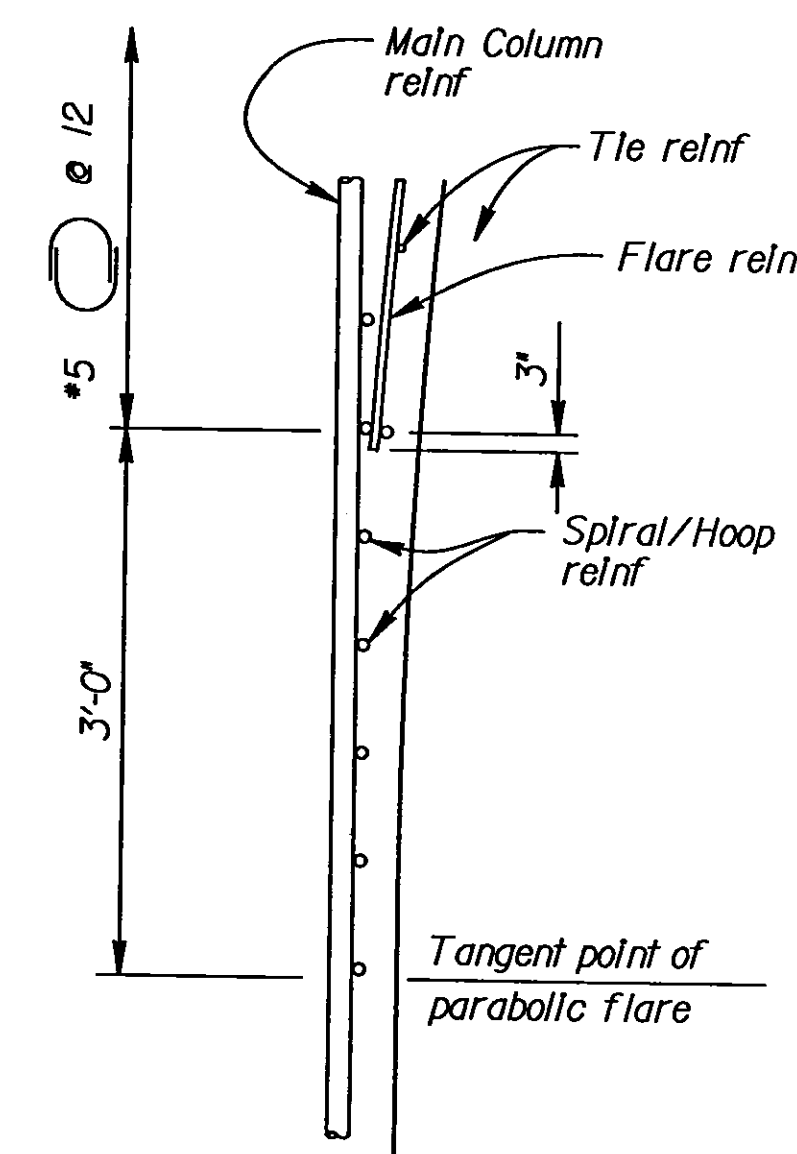


SECTION J-J

1/2" = 1'-0"

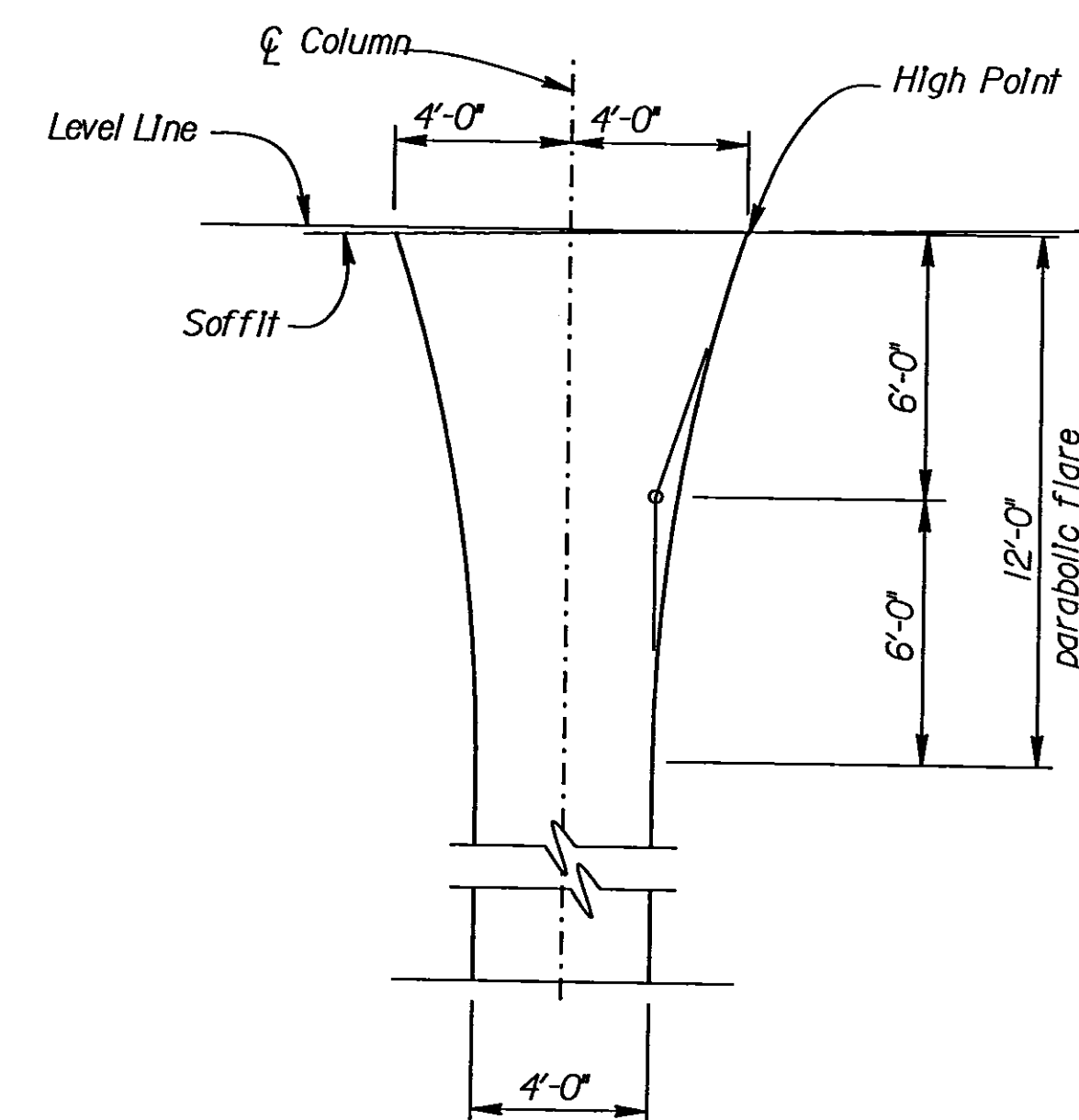
* Clr to main cap reinf

** Reinf may be bent to clear P/S ducts



SPIRAL & TIE DETAIL

No Scale



FLARE DETAIL

1/4" = 1'-0"

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

BRIDGE NO.	42-144
POST MILE	R17.1

LINCOLN AVE OVERCROSSING
BENT DETAILS NO.1

DS OSD 2139 (CADD 9/95)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 06227
EA 342121

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 7 OF 15

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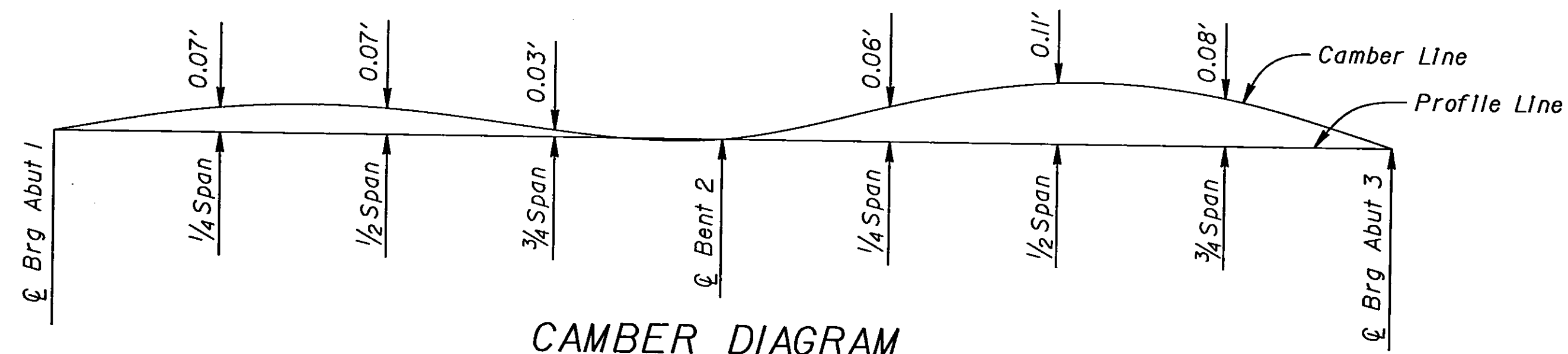
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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Patricia S. Preston
REGISTERED ENGINEER - CIVIL

PROFESSIONAL ENGINEER
PATRICIA S. PRESTON
No. 49591
Exp. 9-30-96
CIVIL
STATE OF CALIFORNIA

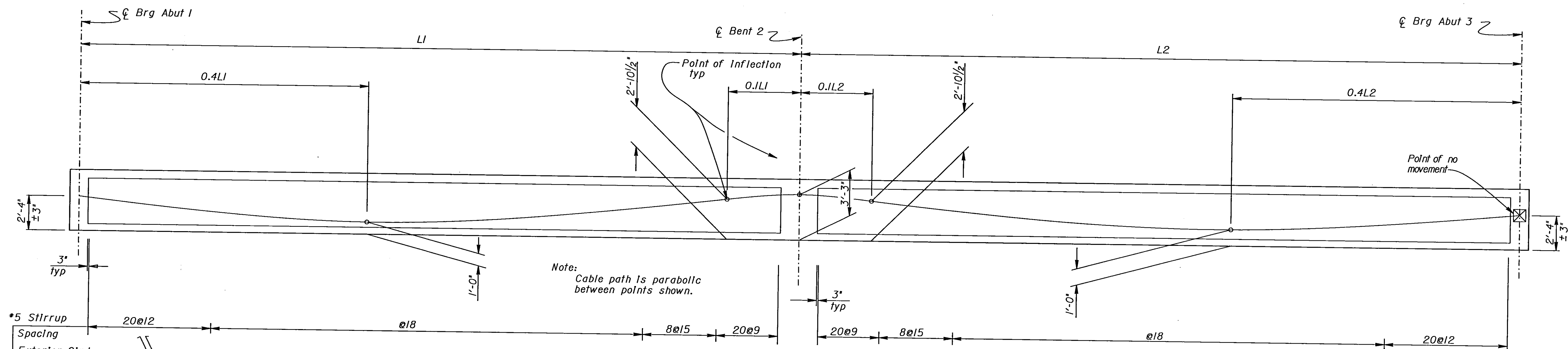
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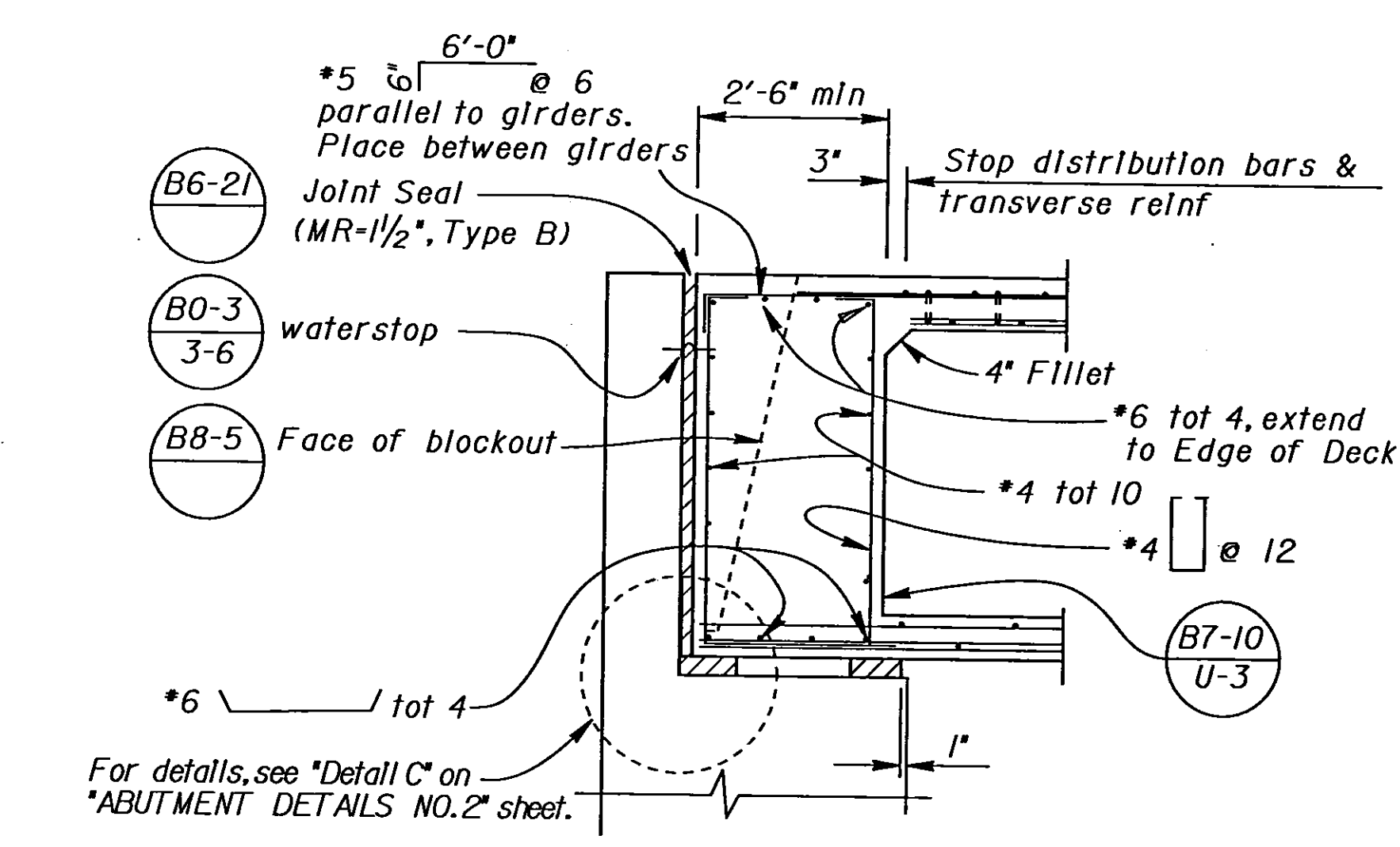


CAMBER DIAGRAM
No Scale
(Does not include allowance for falsework settlement)

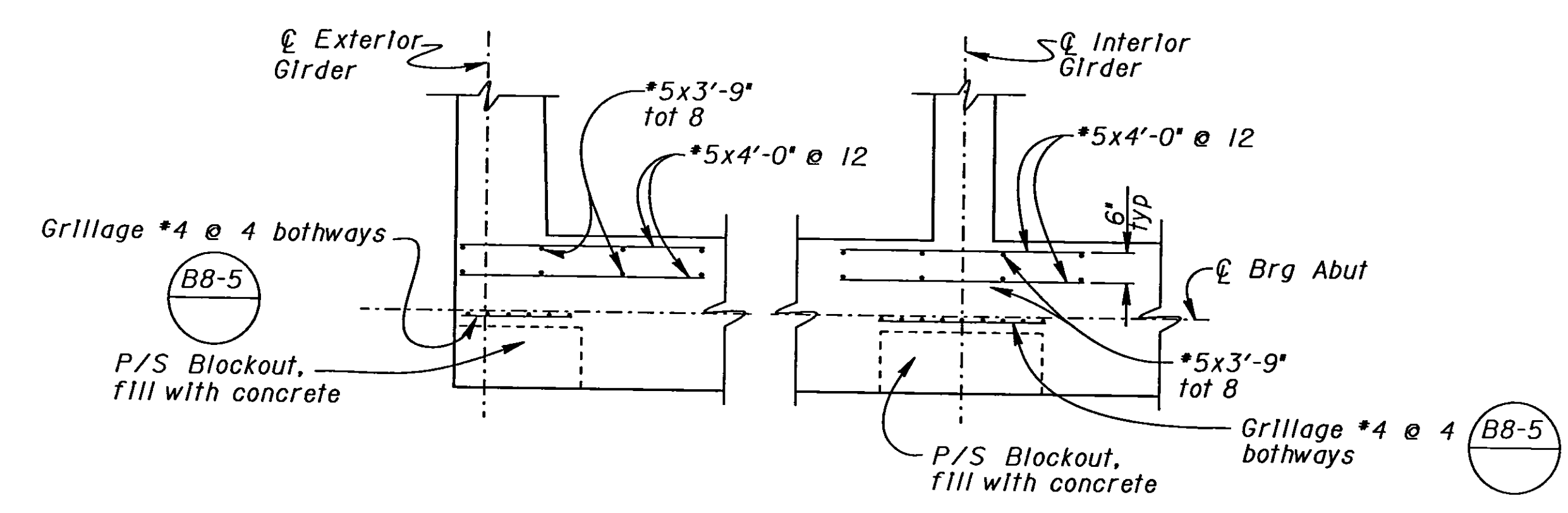
NO AS BUILT CORRECTIONS
AS BUILT N.K. 6-15-99
CORRECTIONS BY DAVID VALLEJO
CONTRACT NO. 06-34212A
DATE 3-9-99



LONGITUDINAL SECTION
No Scale



END DIAPHRAGM DETAILS
1/2"=1'-0"



PLAN-PRESTRESS BLOCKOUT
1/2"=1'-0"

PRESTRESSING NOTES

270 KSI Low Relaxation Strand:
P_{Jack} = 9450 kips
Maximum Jacking Stress = 0.75 f_s
Anchor Set = 3/8 in
Total Number of Girders = 9

Distribution of prestress force (P_{Jack}) between girders shall not exceed the ratio of 3:2. Maximum final force variation between girders shall not exceed 725 kips.

Concrete: f'_c = 4000 psi @ 28 days
f'_{ci} = 3500 psi @ time of stressing

Contractor shall submit elongation calculations based on initial stress at
☒ = 0.924 times jacking stress.

One end stressing shall be performed from either end.

<div>DESIGN</div> <div>BY Overcomer Hor</div> <div>CHECKED Stanley Ku</div> <div>DETAILS</div> <div>BY Norm Kelley</div> <div>CHECKED Stanley Ku</div> <div>QUANTITIES</div> <div>BY A.L. Hough</div> <div>CHECKED Stanley Ku</div>			<div>STATE OF CALIFORNIA</div> <div>DEPARTMENT OF TRANSPORTATION</div>	<div>DIVISION OF STRUCTURES</div> <div>STRUCTURE DESIGN 8</div>	<div>BRIDGE NO.</div> <div>42-144</div>	<div>LINCOLN AVE OVERCROSSING</div>														
					<div>POST MILE</div> <div>R17.1</div>	<div>LONGITUDINAL SECTION</div>														
DS OSD 2139 (CADD 9/95)			<div>ORIGINAL SCALE IN INCHES FOR REDUCED PLANS</div> <div>0 1 2 3</div>			<div>CU 06227</div> <div>EA 342121</div>			<div>DISREGARD PRINTS BEARING EARLIER REVISION DATES</div>					<div>REVISION DATES (PRELIMINARY STAGE ONLY)</div> <div>3-07-96 3-28-96 4-10-96 5-10-96</div>					<div>SHEET</div> <div>10</div>	<div>OF</div> <div>15</div>
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	458	489

Patricia A Preston
REGISTERED ENGINEER - CIVIL



1-27-97
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

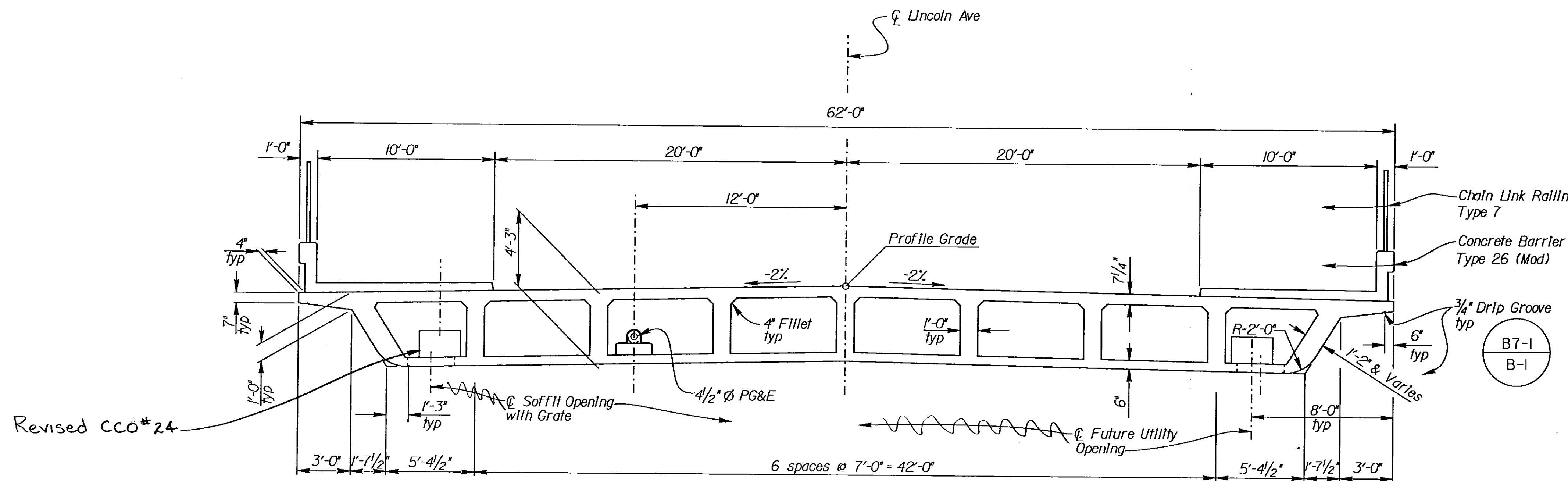
AS BUILT N.K.
6-15-99

CORRECTIONS BY DAVID VALLEJOS

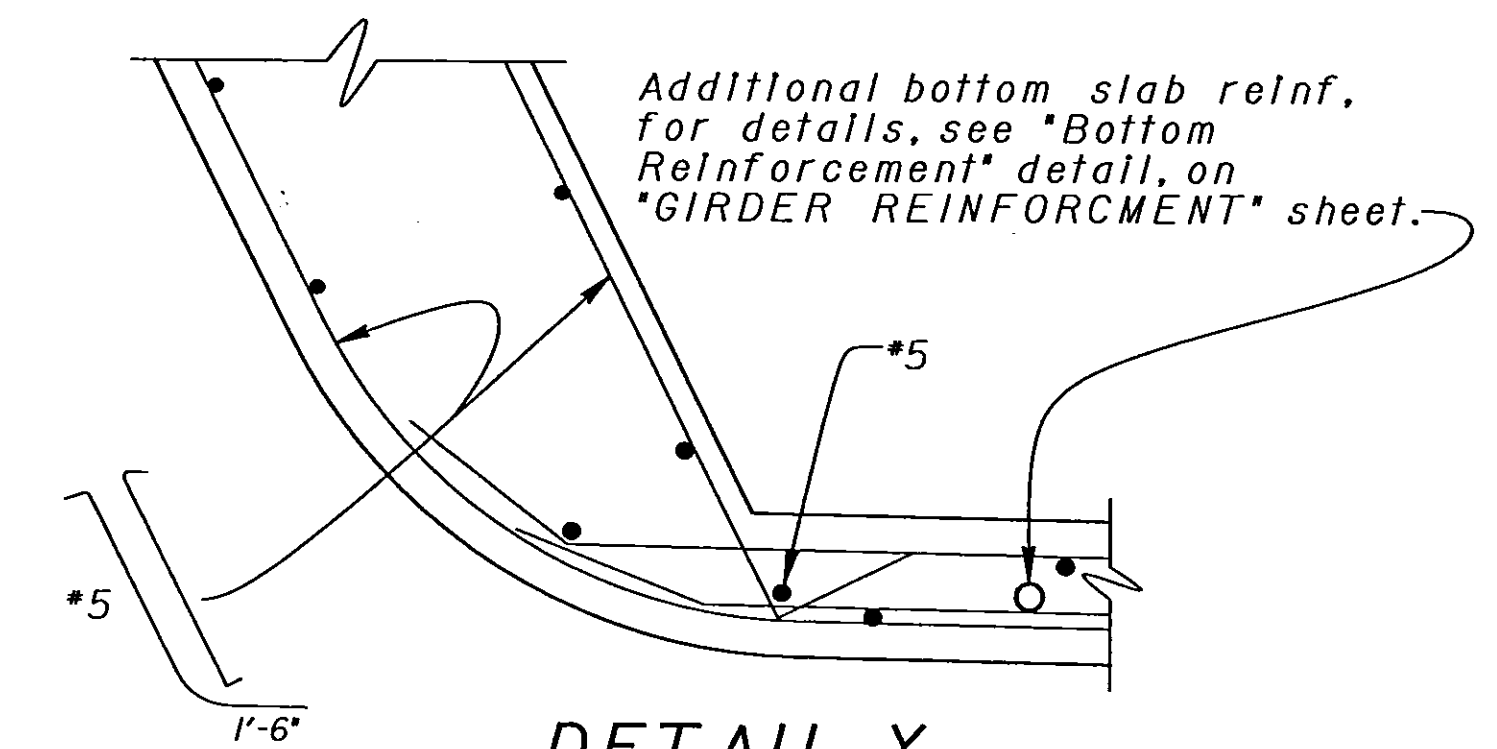
CONTRACT NO. 06-342124

DATE 3-9-99

BII-52

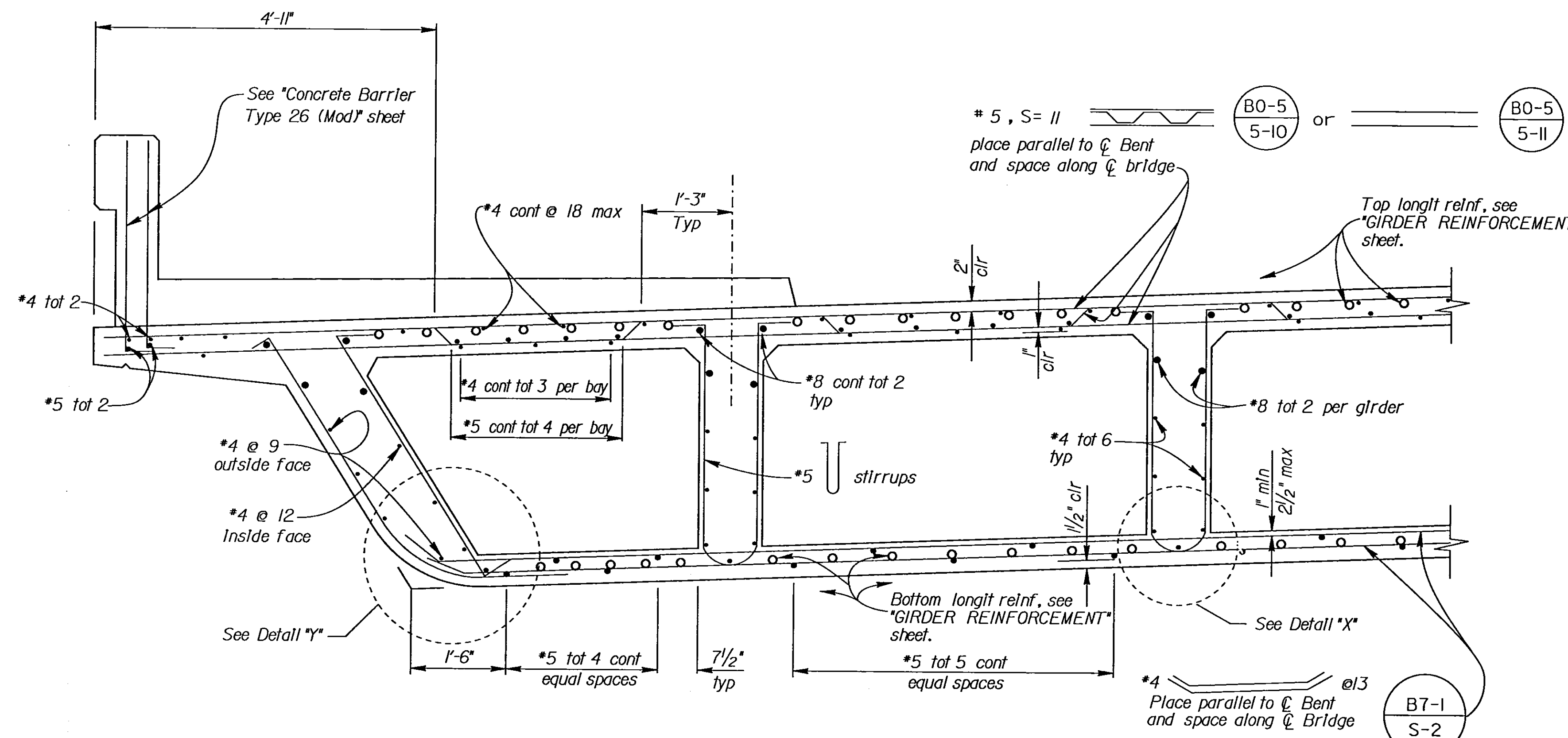


TYPICAL SECTION

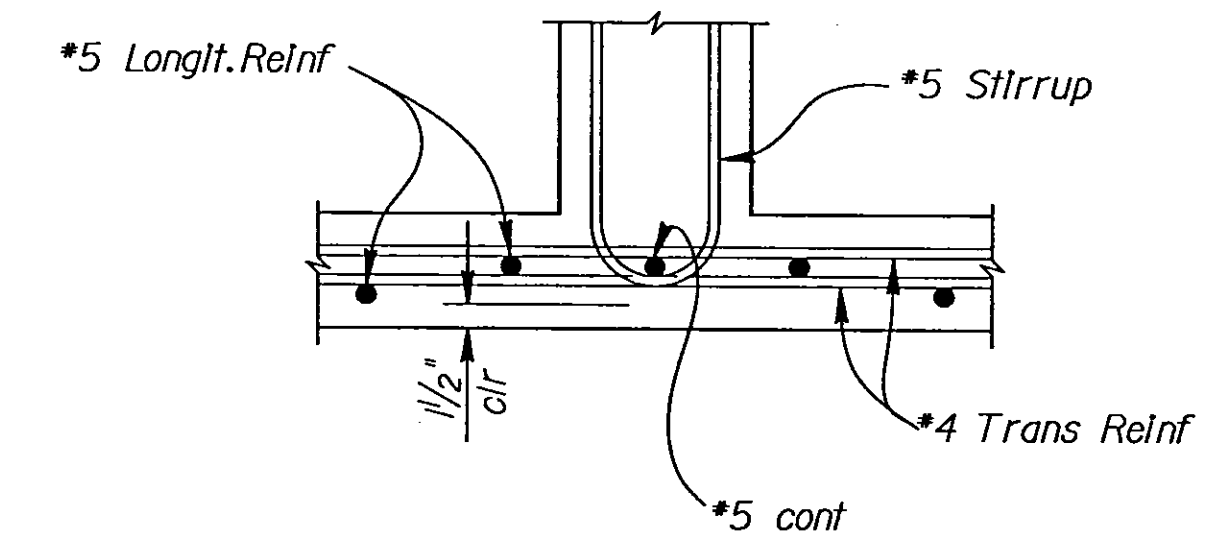
$$1/4^n = 1'-0^n$$


DETAIL Y

No Scale



PART TYPICAL SECTION

$$\frac{3}{4}'' = 1'-0''$$


DETAIL "X"

No Scale

DESIGN	BY Overcomer Hor	CHECKED Stanley Ku
DETAILS	BY Norm Kelley	CHECKED Stanley Ku
QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku

CHECKED	Stanley Ku
CHECKED	Stanley Ku
CHECKED	Stanley Ku

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES STRUCTURE DESIGN 8

BRIDGE NO.
42-144
POST MILE
R17.1

LINCOLN AVE OVERCROSSING
TYPICAL SECTION

DISCARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
	3-05-96	3-11-96	4-12-96	5-13-96	5-18-96	7-6-96	7-8-96	12-9-96			9	15

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USERNAME => $USER
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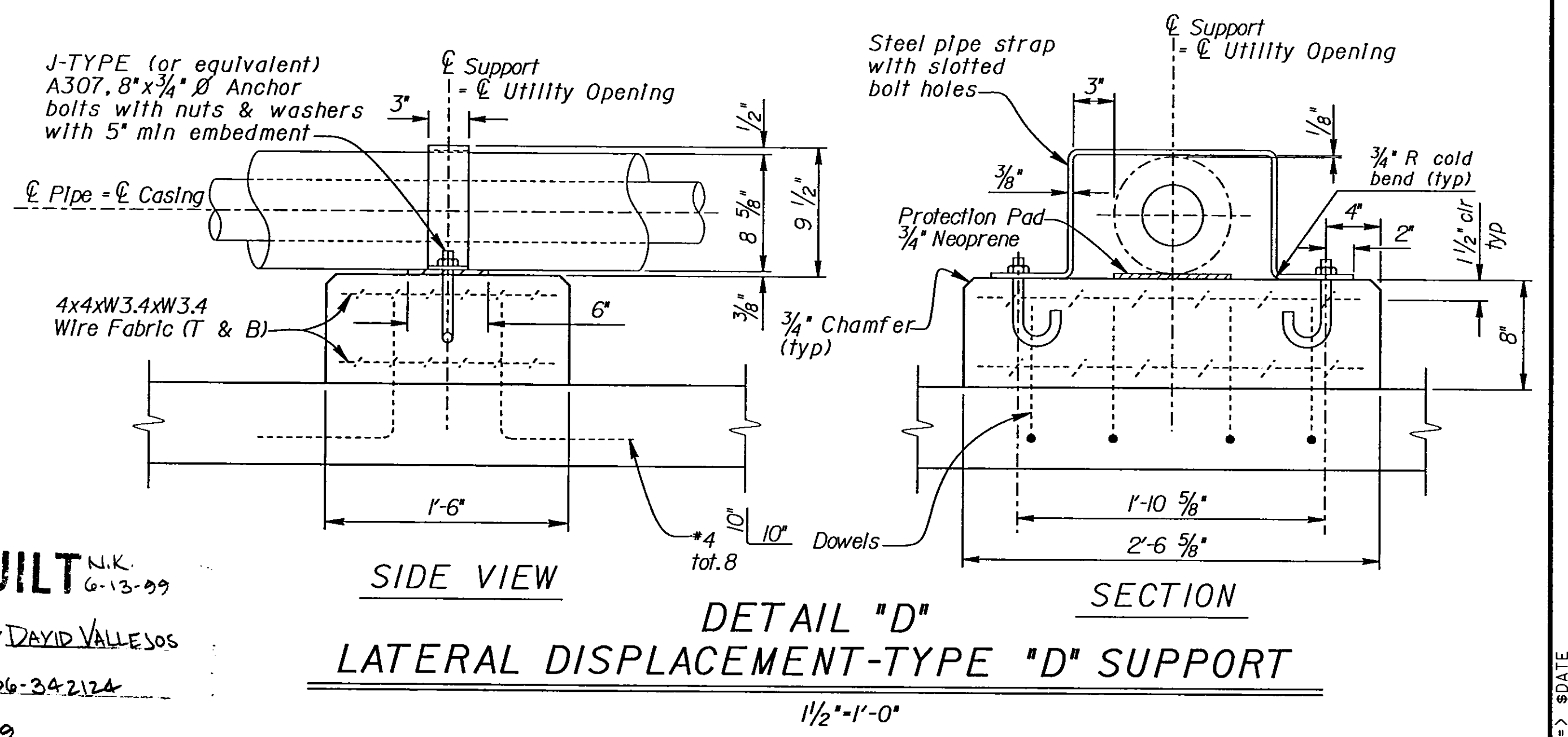
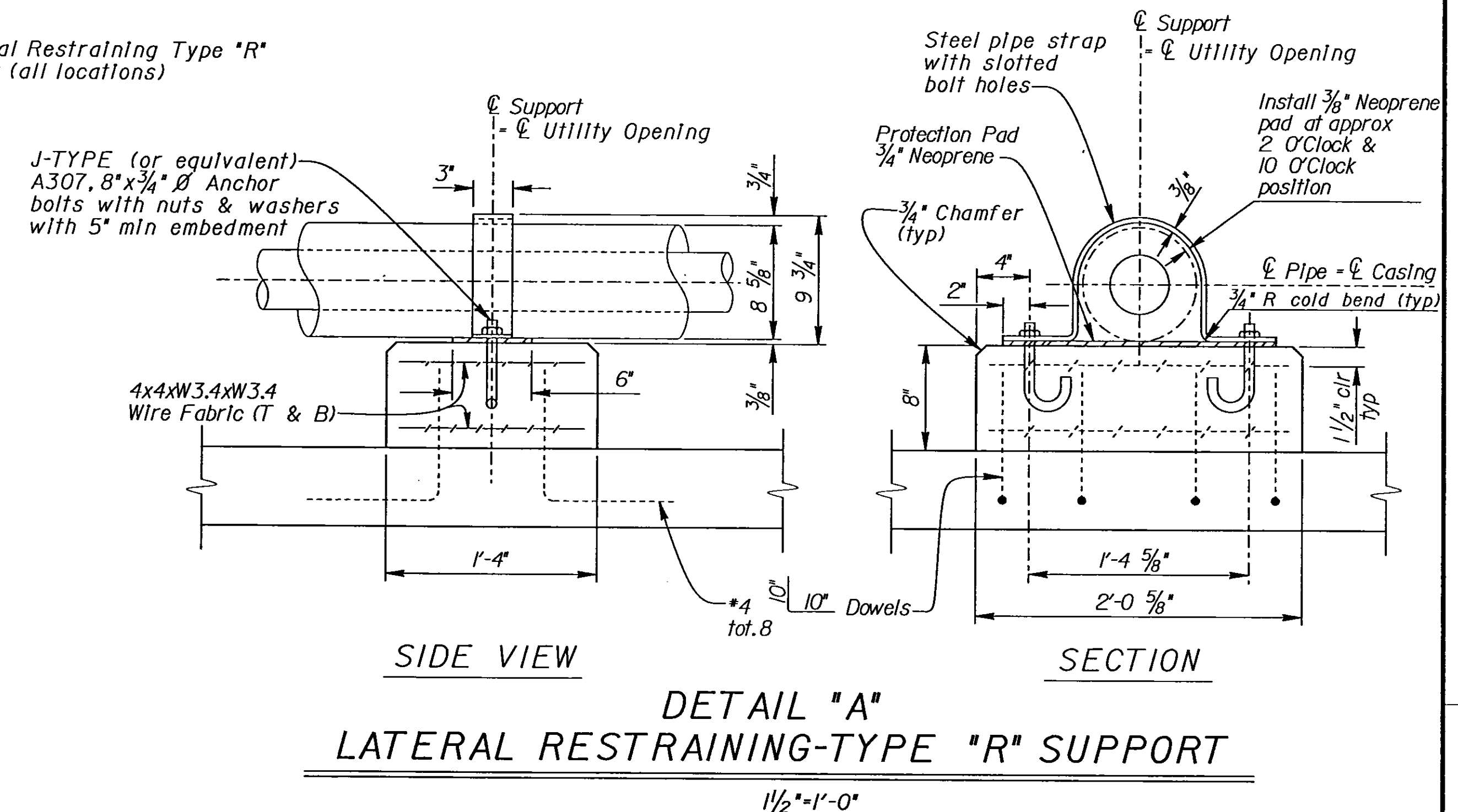
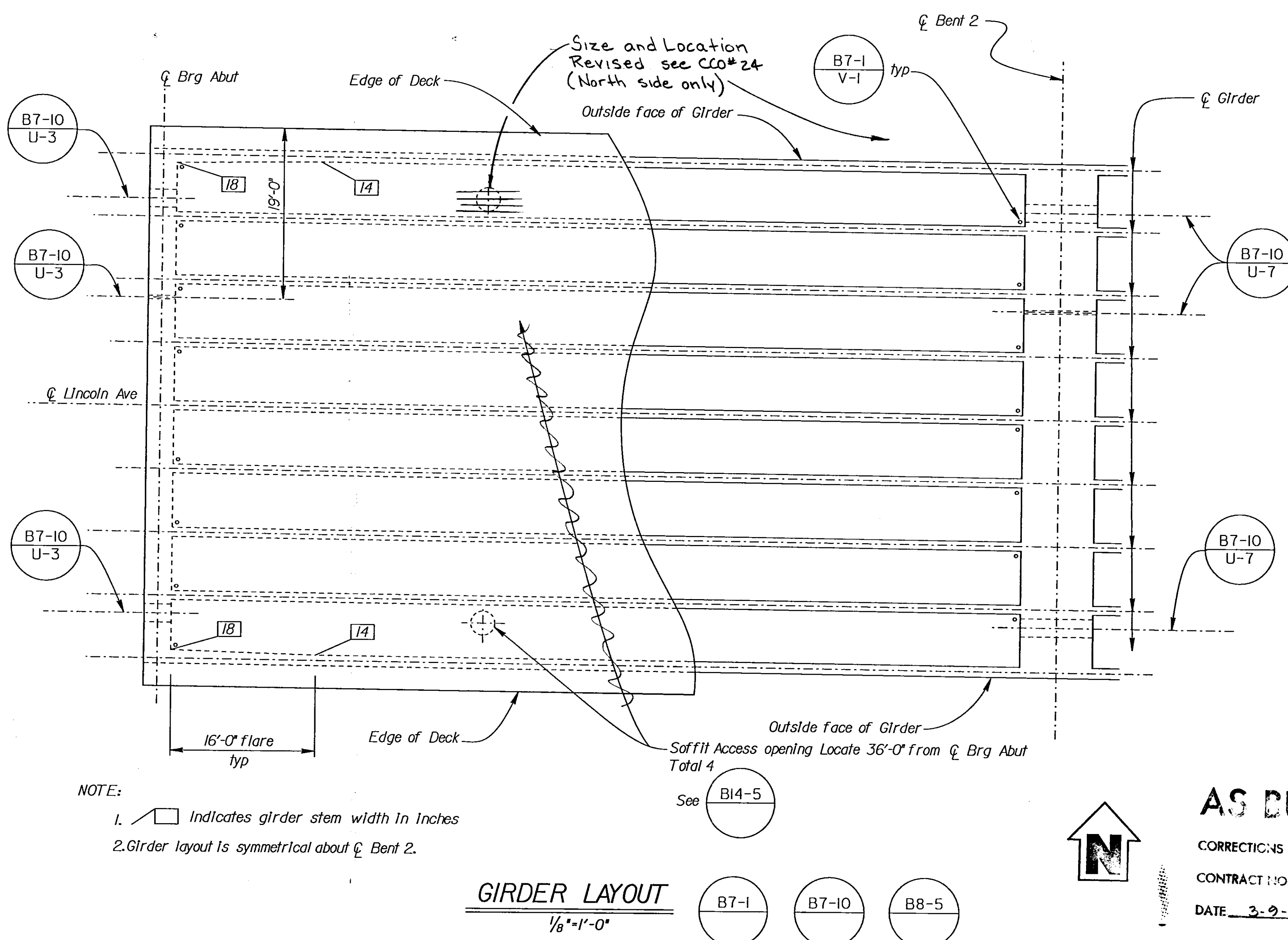
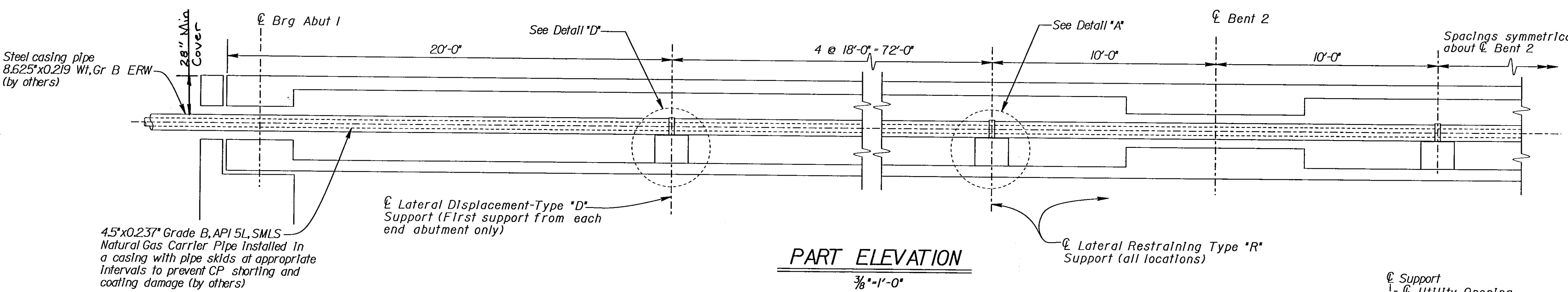
DS OSD 2139 (CADD 9/95)

ClibPDF - www.fastio.com

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	460	489

1-27-97
PLANS APPROVAL DATE

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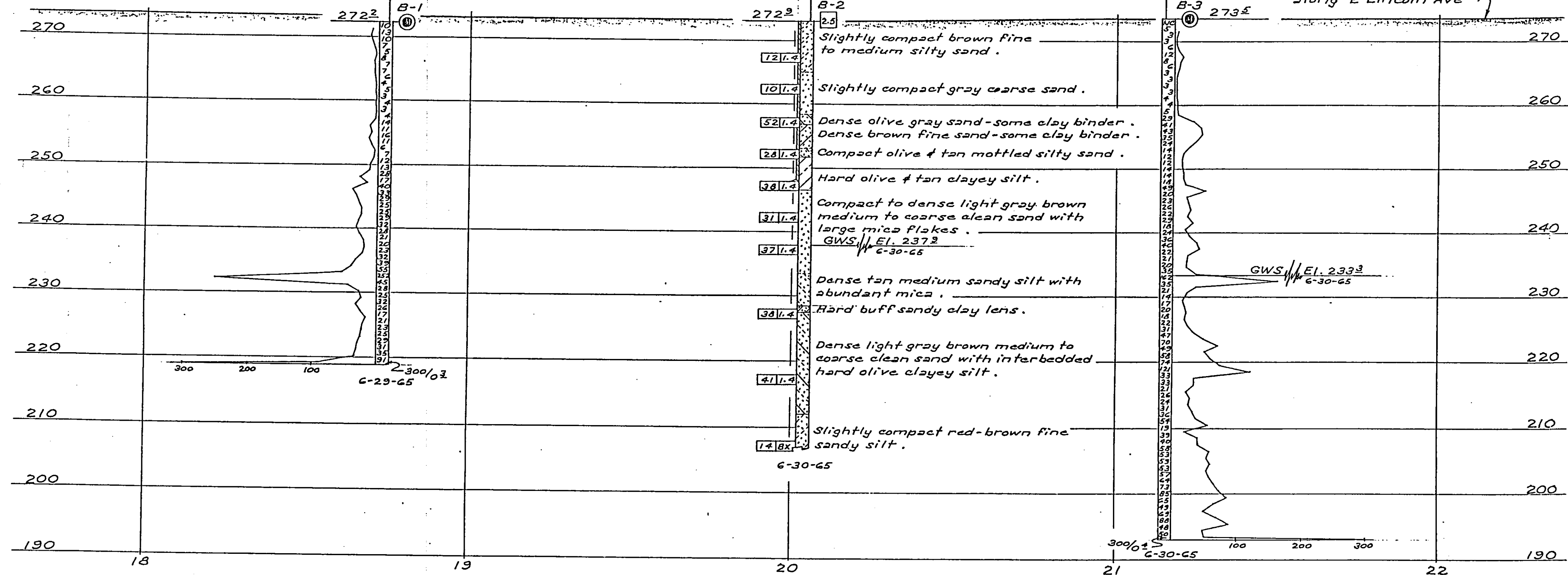


AS BUILT
CORRECTIONS BY DAVID VALLESOS
CONTRACT NO. 06-34-212A
DATE 3-9-99

DESIGN BY Overcomer Hor CHECKED Stanley Ku			STATE OF CALIFORNIA DIVISION OF STRUCTURES STRUCTURE DESIGN 8			BRIDGE NO.		LINCOLN AVE OVERCROSSING																								
						42-144																										
						POST MILE																										
DETAILS BY Roberta Lim CHECKED Stanley Ku			DEPARTMENT OF TRANSPORTATION			R17.1		GIRDER LAYOUT																								
QUANTITIES BY A.L. Hough CHECKED Stanley Ku																																
DS OSD 2139 (CADD 9/95)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			CU 06227 EA 342121			DISREGARD PRINTS BEARING EARLIER REVISION DATES										REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET		OF	
			0 1 2 3						→										3-01-96 12-13-96 5-10-96 7-14-96 1-26-96 12-2-96 12-4-96 12-9-96 12-10-96										11		15	
									USERNAME => \$USER \$REQUEST																							

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AS BUILT N.K.
6-15-99



CONSISTENCY CLASSIFICATION FOR SOILS			According to the Standard Penetration Test
Penetration Index (Blow/Ft)	Granular	Cohesive	
0-4	Very Loose	Very Soft	
5-9	Loose	Soft	
10-19	Slightly compact	Stiff	
20-34	Compact	Very Stiff	
35-49	Dense	Hard	
> 50	Very Dense	Very Hard	

NOTE: Classification of hard material and inspection and is not to be considered.

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS →

CU: 06250
EA: 342121

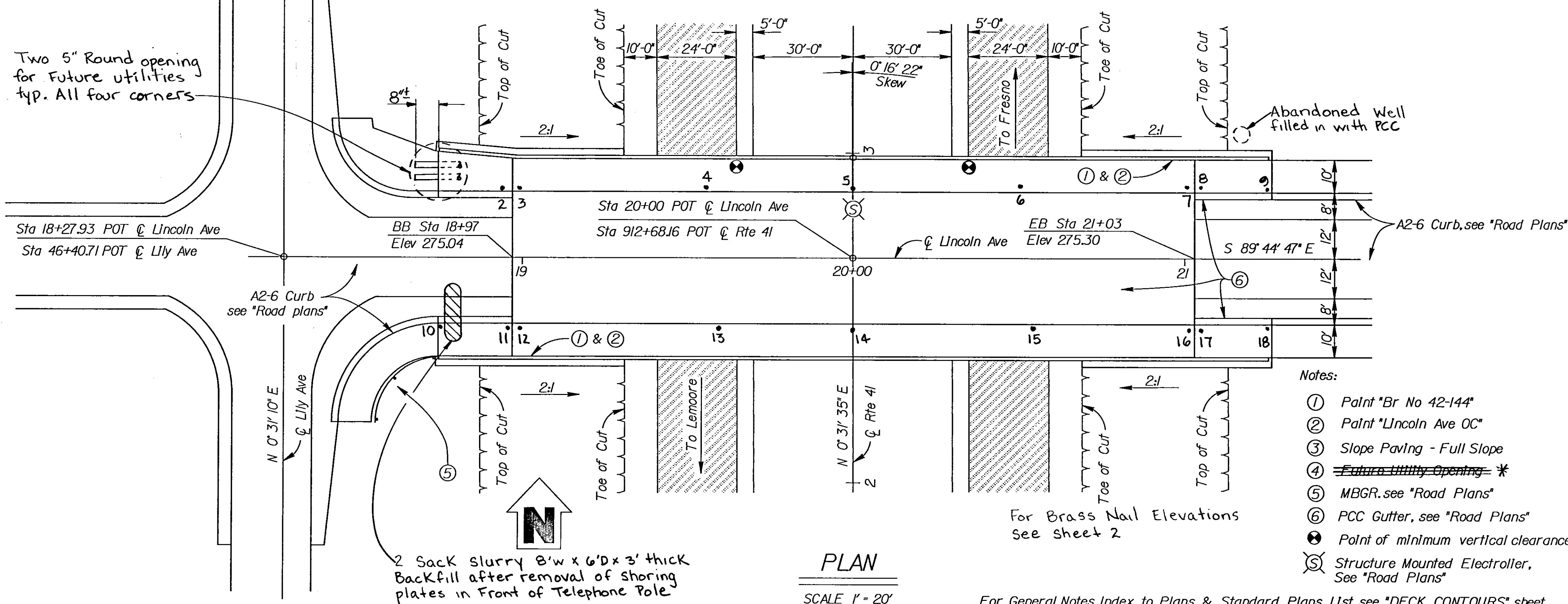
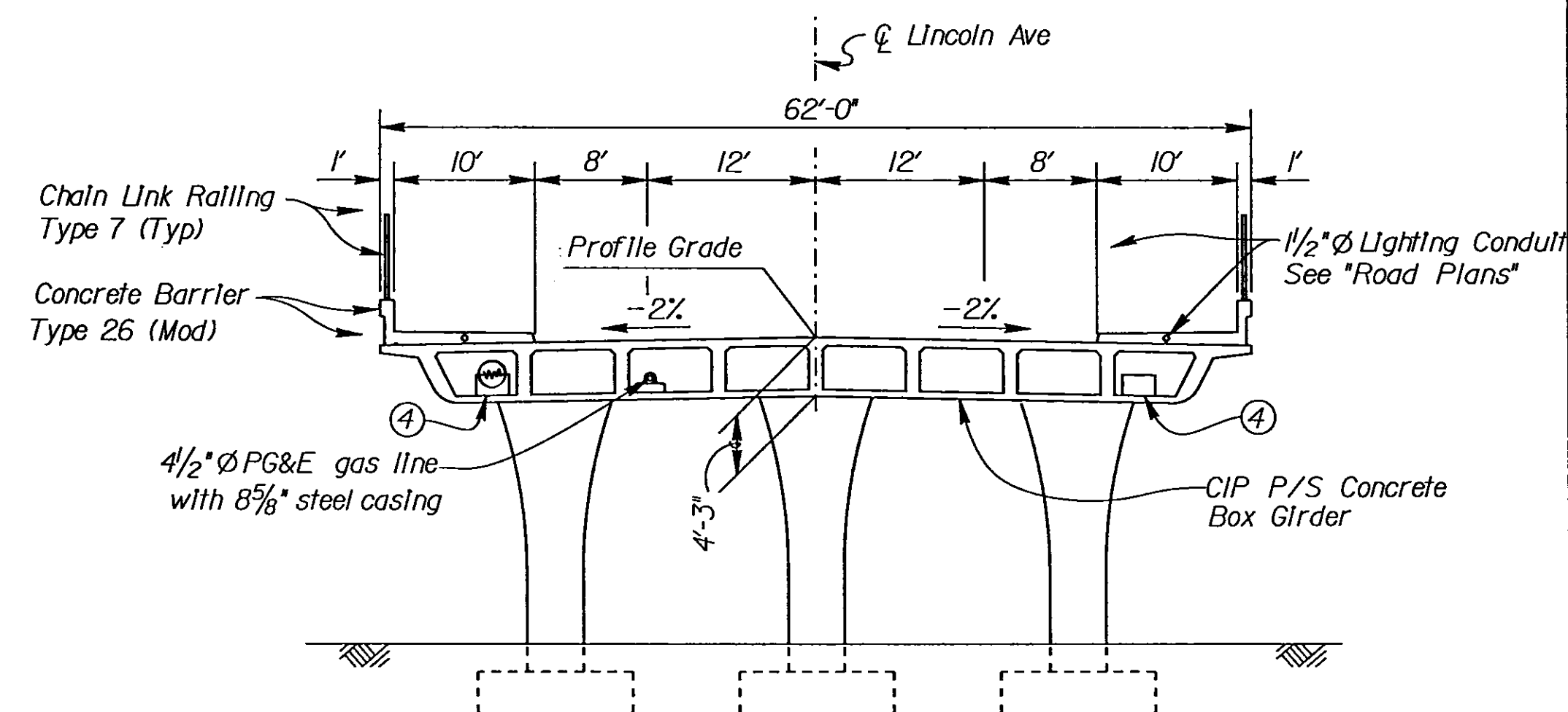
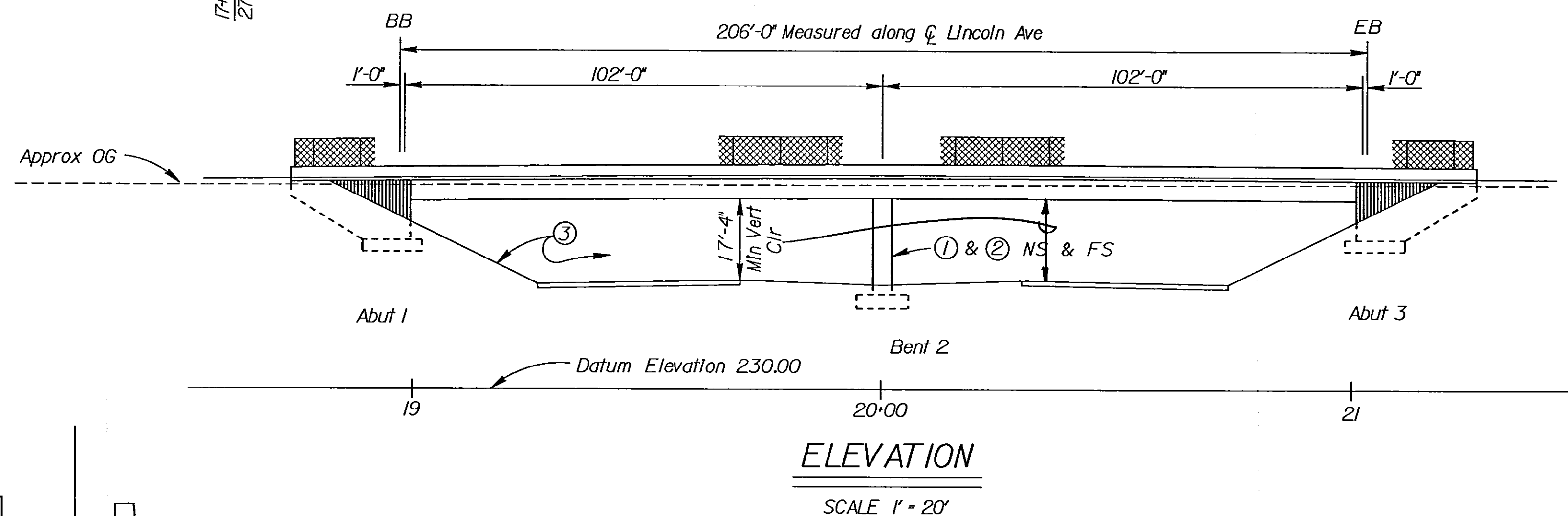
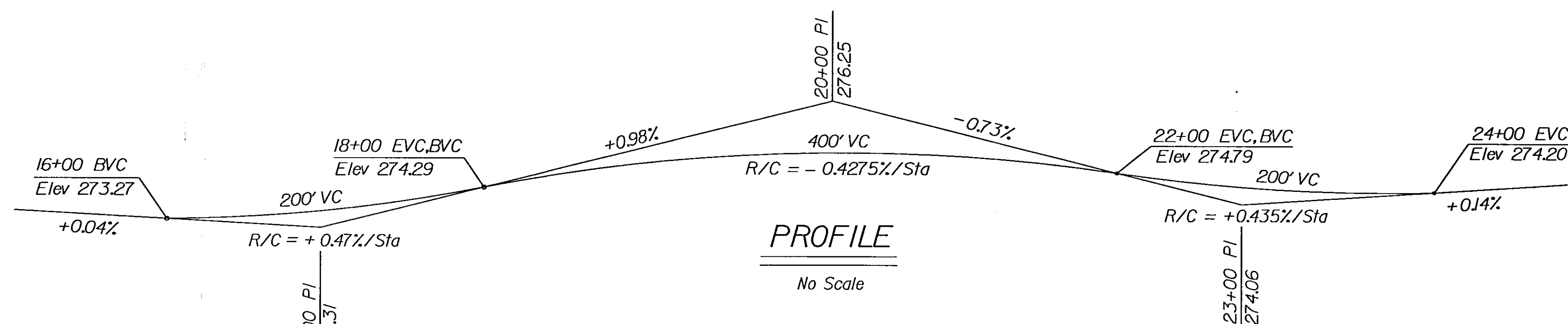
DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
8-9-95										15	15

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fro	41	R12.1/R20.7	450	489

<i>Patricia S. Preston</i> REGISTERED ENGINEER - CIVIL		
1-27-97		
PLANS APPROVAL DATE		

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QUANTITIES

STRUCTURE EXCAVATION (BRIDGE)	820	CY
STRUCTURE BACKFILL (BRIDGE)	433	CY
PRESTRESSING CAST-IN-PLACE CONCRETE	LUMP	SUM
STRUCTURAL CONCRETE, BRIDGE FOOTING	202	CY
STRUCTURAL CONCRETE, BRIDGE	996	CY
RIPPED TEXTURE (REINFORCING BAR)	840	SQFT
JOINT SEAL (TYPE B-MR 1 1/2")	126	LF
BAR REINFORCING STEEL (BRIDGE)	238,900	LB
SLOPE PAVING (CONCRETE)	61	CY
CHAIN LINK RAILING (TYPE 7)	492	LF
CONCRETE BARRIER (TYPE 26 MODIFIED)	495	LF

* CCO# 24 12" Ø Supply Line

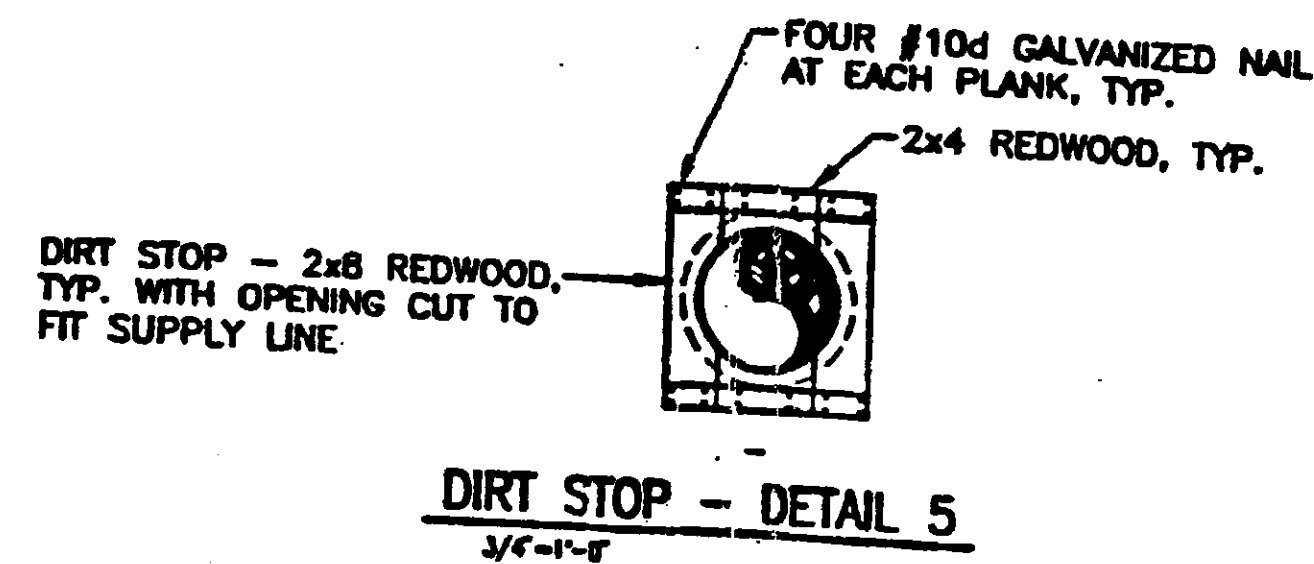
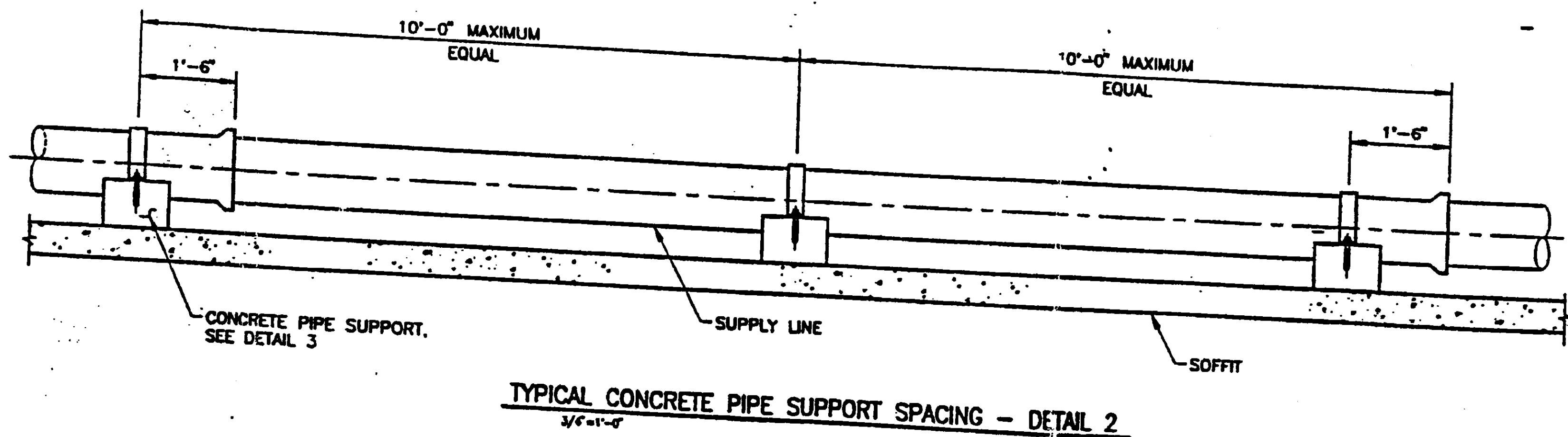
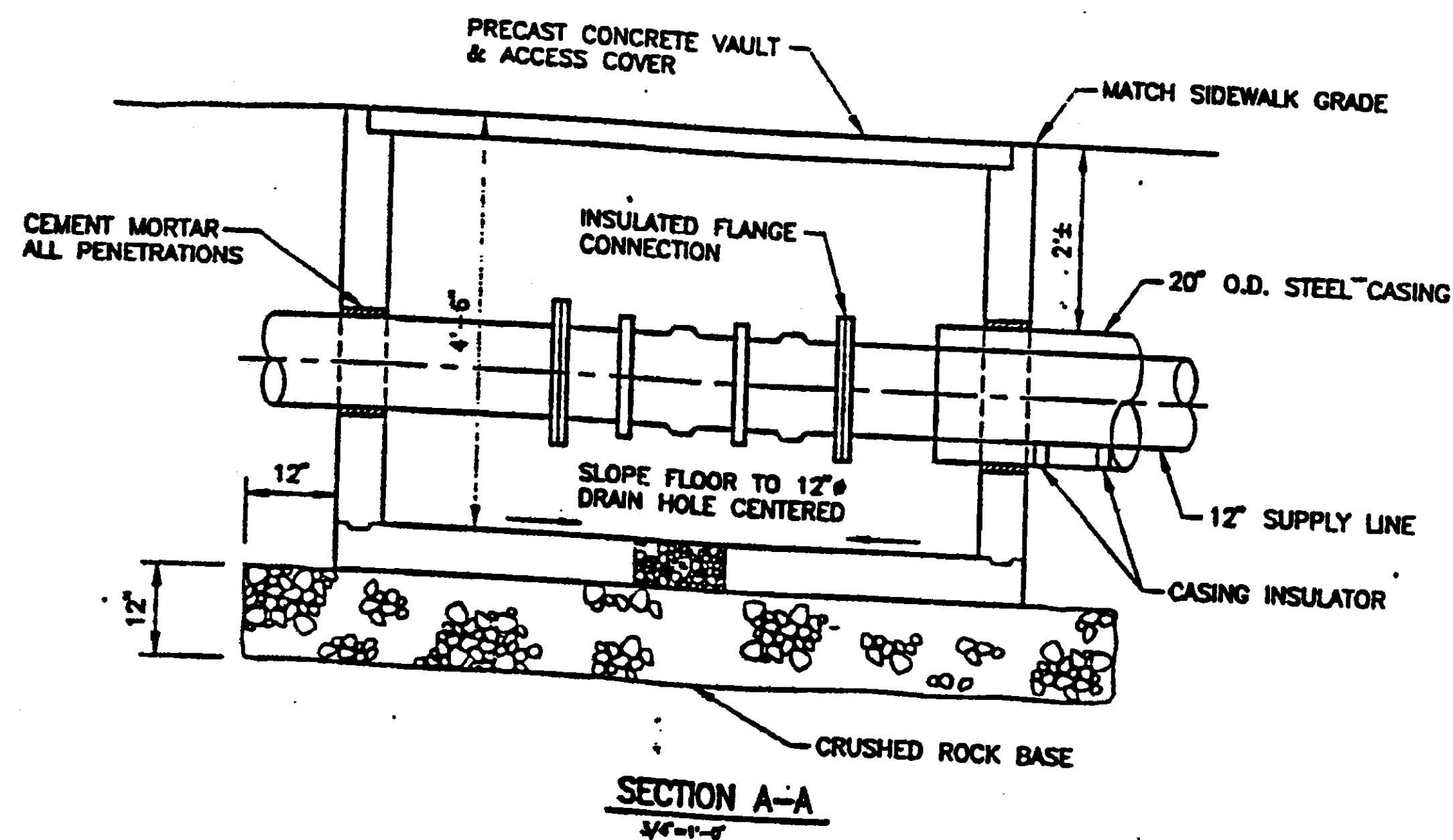
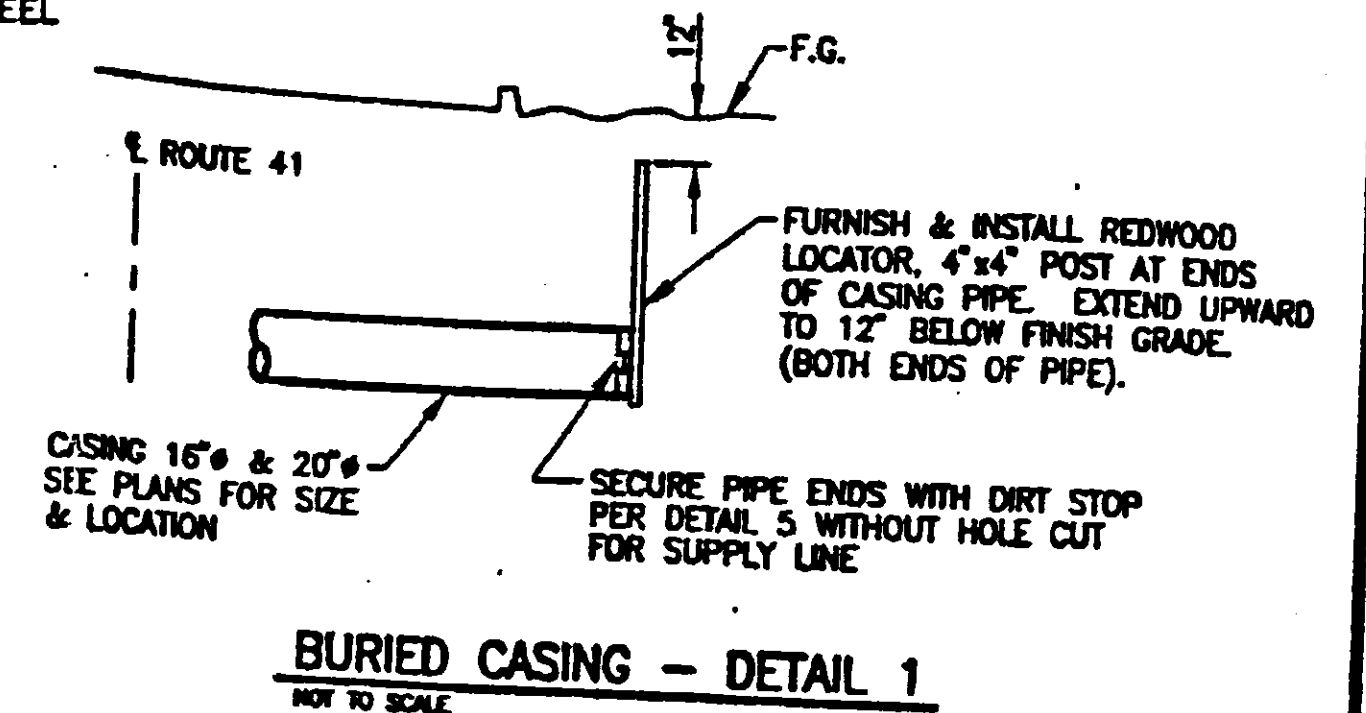
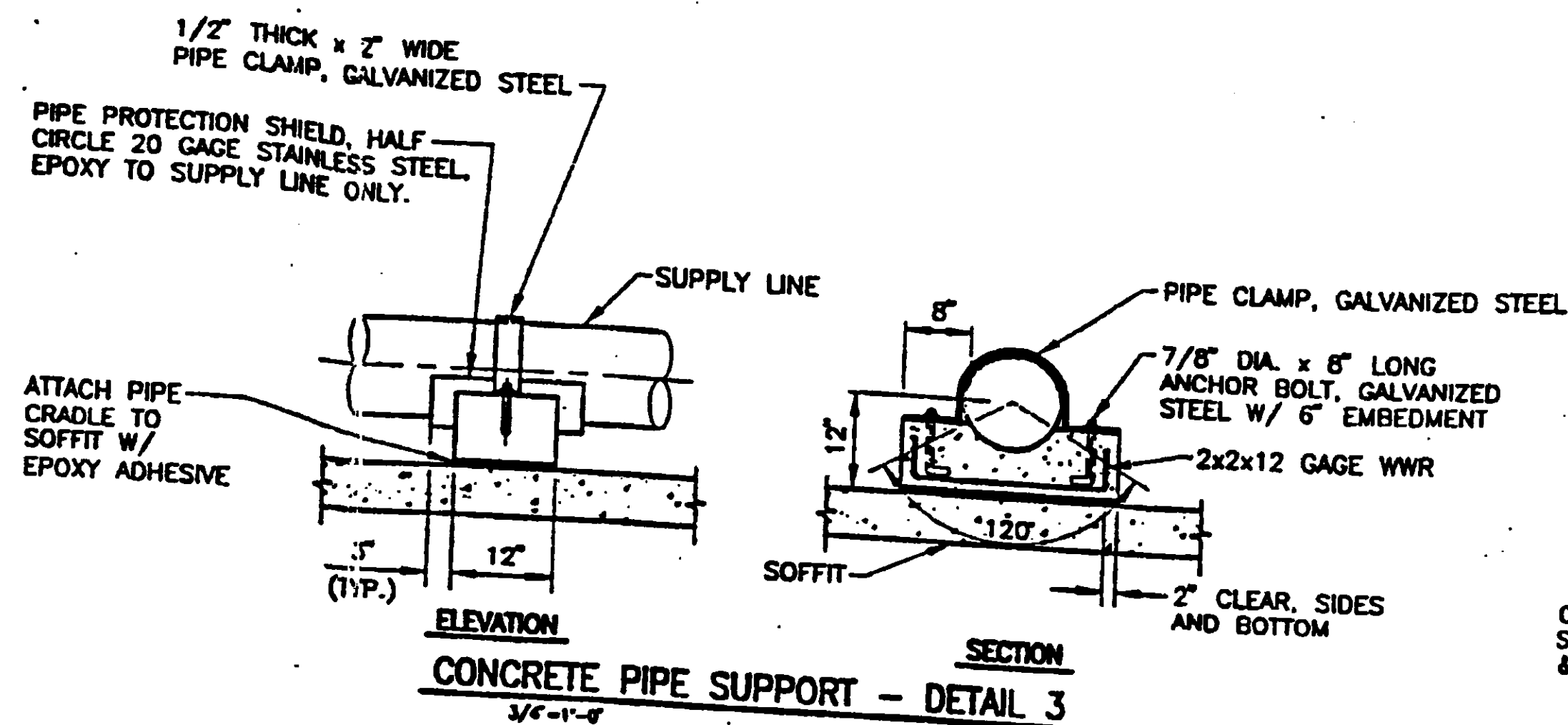
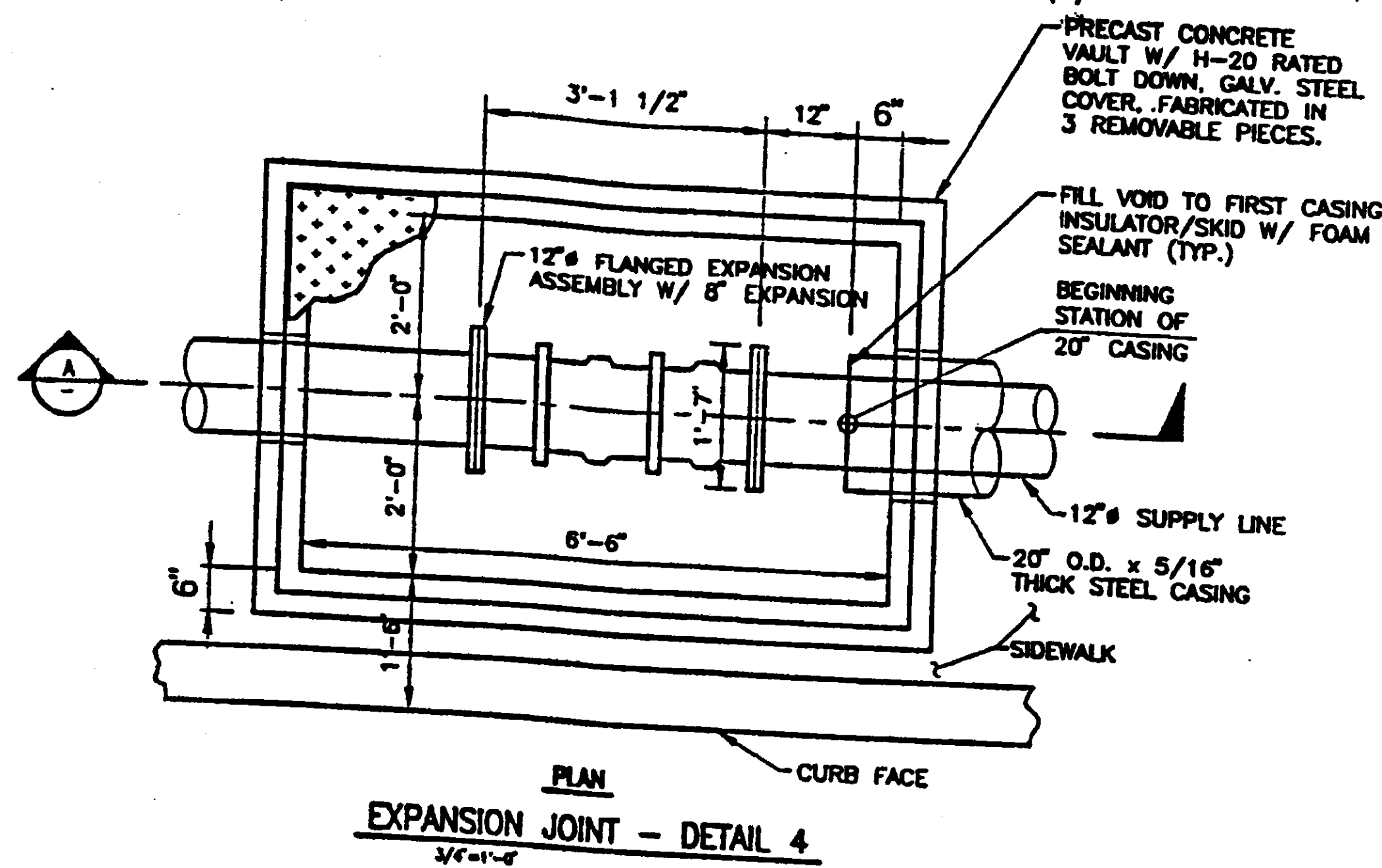
- Notes:
- Paint "Br No 42-144"
 - Paint "Lincoln Ave OC"
 - Slope Paving - Full Slope
 - Future Utility Opening *
 - MBGR. see "Road Plans"
 - PCC Gutter, see "Road Plans"
 - Point of minimum vertical clearance
 - Structure Mounted Electroliner, See "Road Plans"

For General Notes, Index to Plans & Standard Plans List, see "DECK CONTOURS" sheet.

<div><div>Brian Mori</div><div>DESIGN ENGINEER</div></div>	DESIGN	BY Overcomer Hor	CHECKED Stanley Ku	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURE DESIGN	8	BRIDGE NO.	LINCOLN AVE OVERCROSSING												
	DETAILS	BY Robert Silva	CHECKED Stanley Ku	LAYOUT	BY Overcomer Hor	CHECKED Pat Preston				POST MILE	GENERAL PLAN												
	QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku	SPECIFICATIONS	BY KB Iwasaki/BJN	PLANS AND SPECS COMPARED KB Iwasaki/BJN				R 17.1													
05 OSD 2138 (CADD 3/95)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3				CU 06227 EA 342121		DISREGARD PRINTS BEARING EARLIER REVISION DATES				REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET	OF
												0-28-96	1-8-96	0-9-96	0-13-96	3-24-96	4-8-96	5-8-96	5-13-96	7-5-96	1	15	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
2-28-95 1.8% 2-28-95 2.2% 2-13-96 3-28-96 4-1-96 5-2-96 5-13-96 7-6-96	1	15



AS BUILT PLANS
 Contract No. 06-342123
 Contractor: MCM Const.
 Resident Engr.:
 Les Hickenbotham
 Date of Completion: 11/13/98
 By: David L. Vallejos

CCO #24
 SHEET 8 OF 8

3/9/99



DESIGN	By	Checked
DETAILS	By	Checked
QUANTITIES	By	Checked

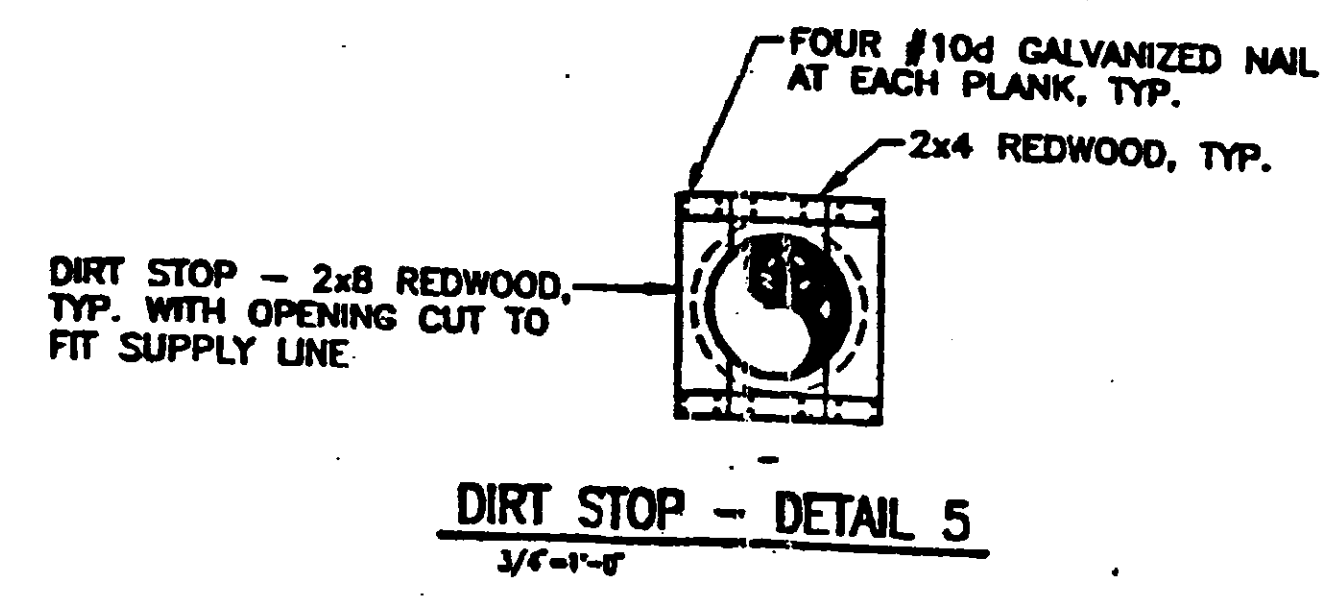
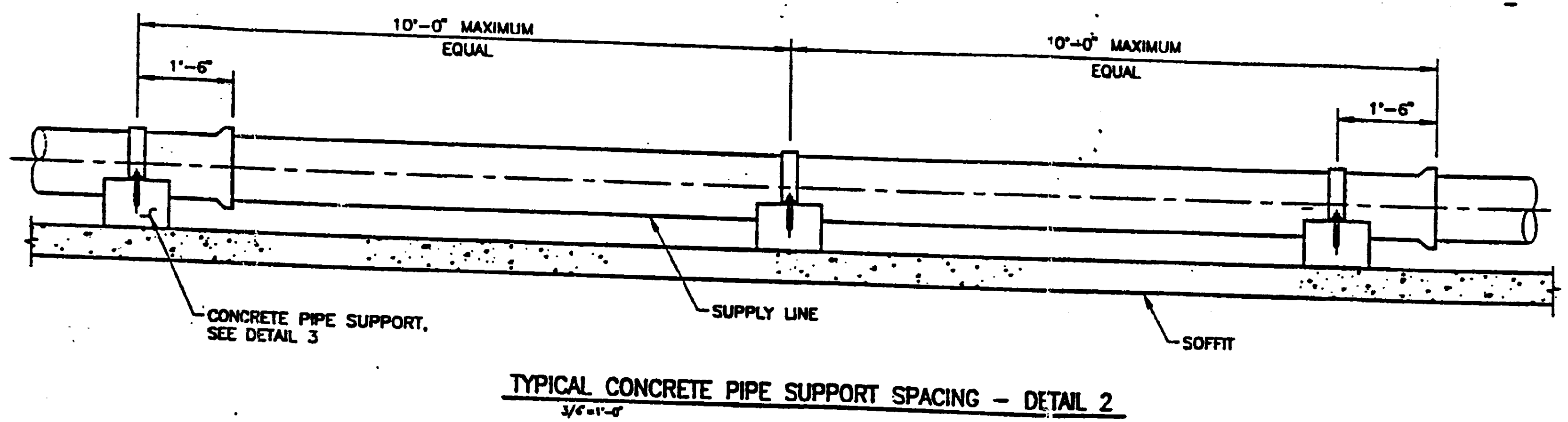
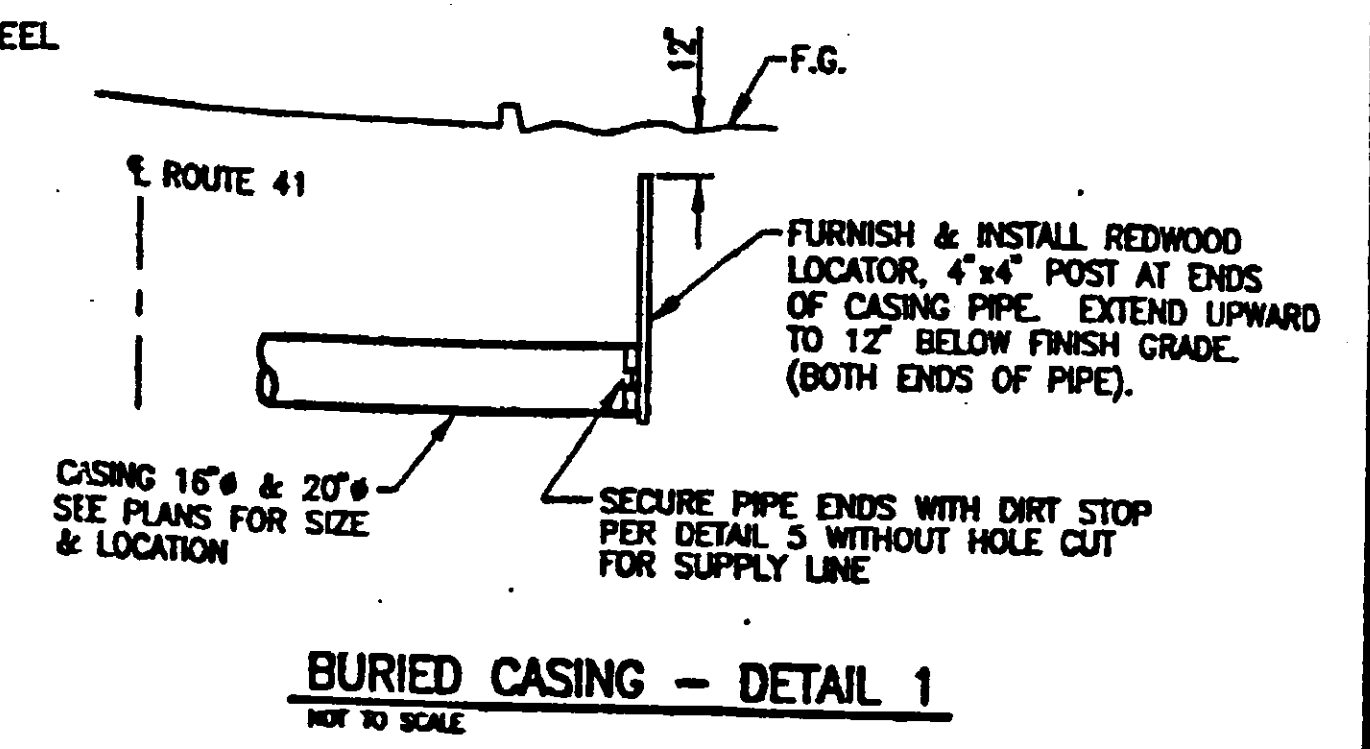
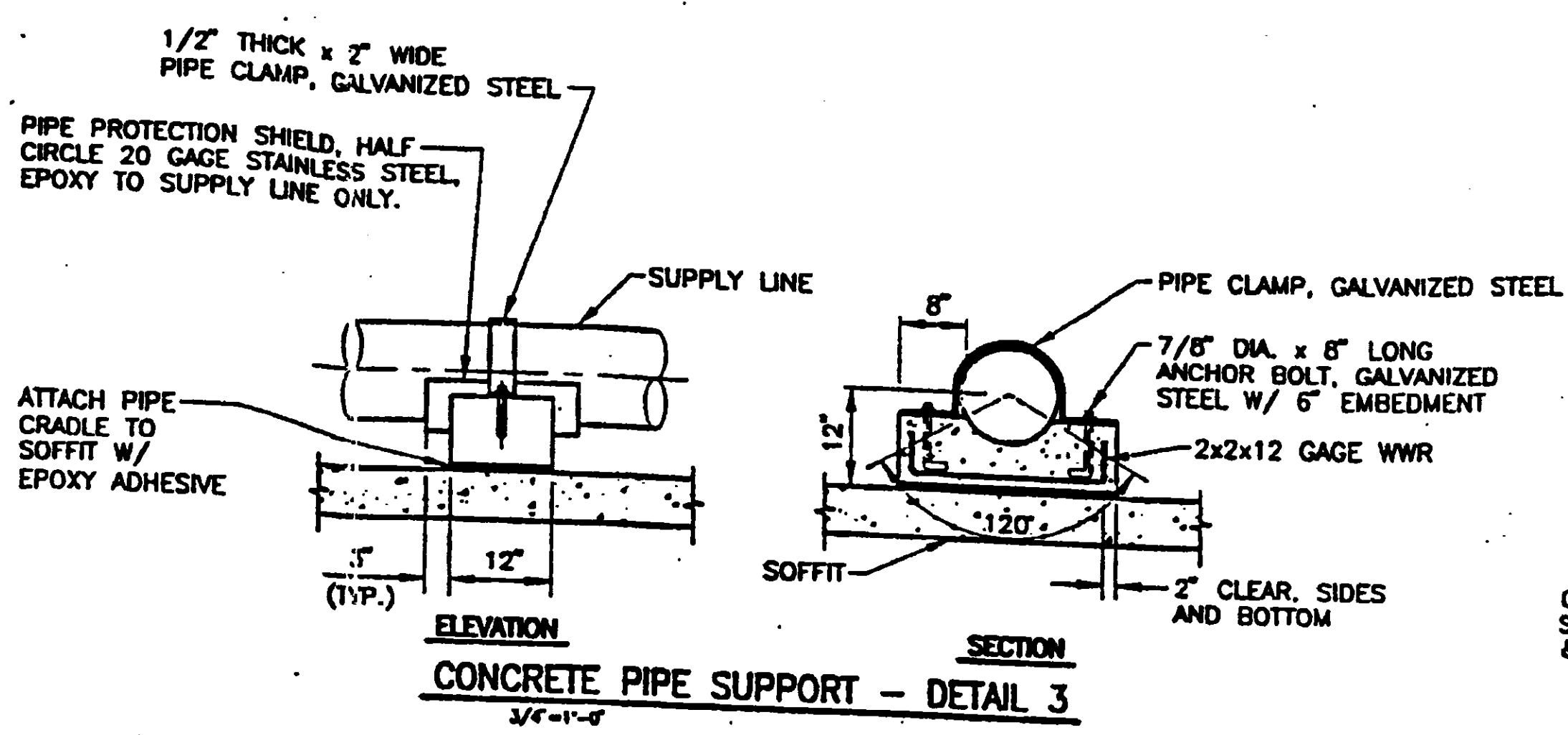
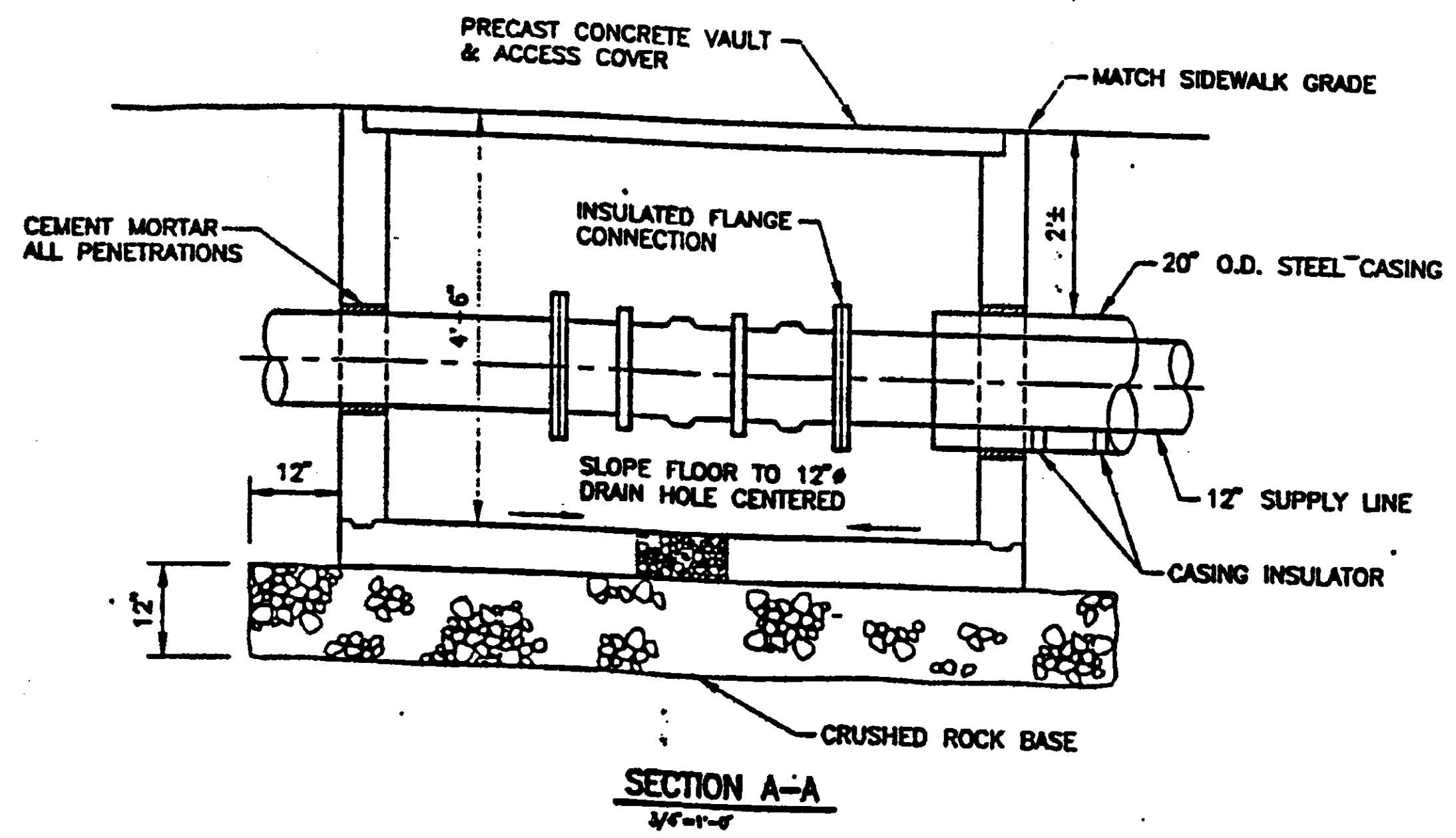
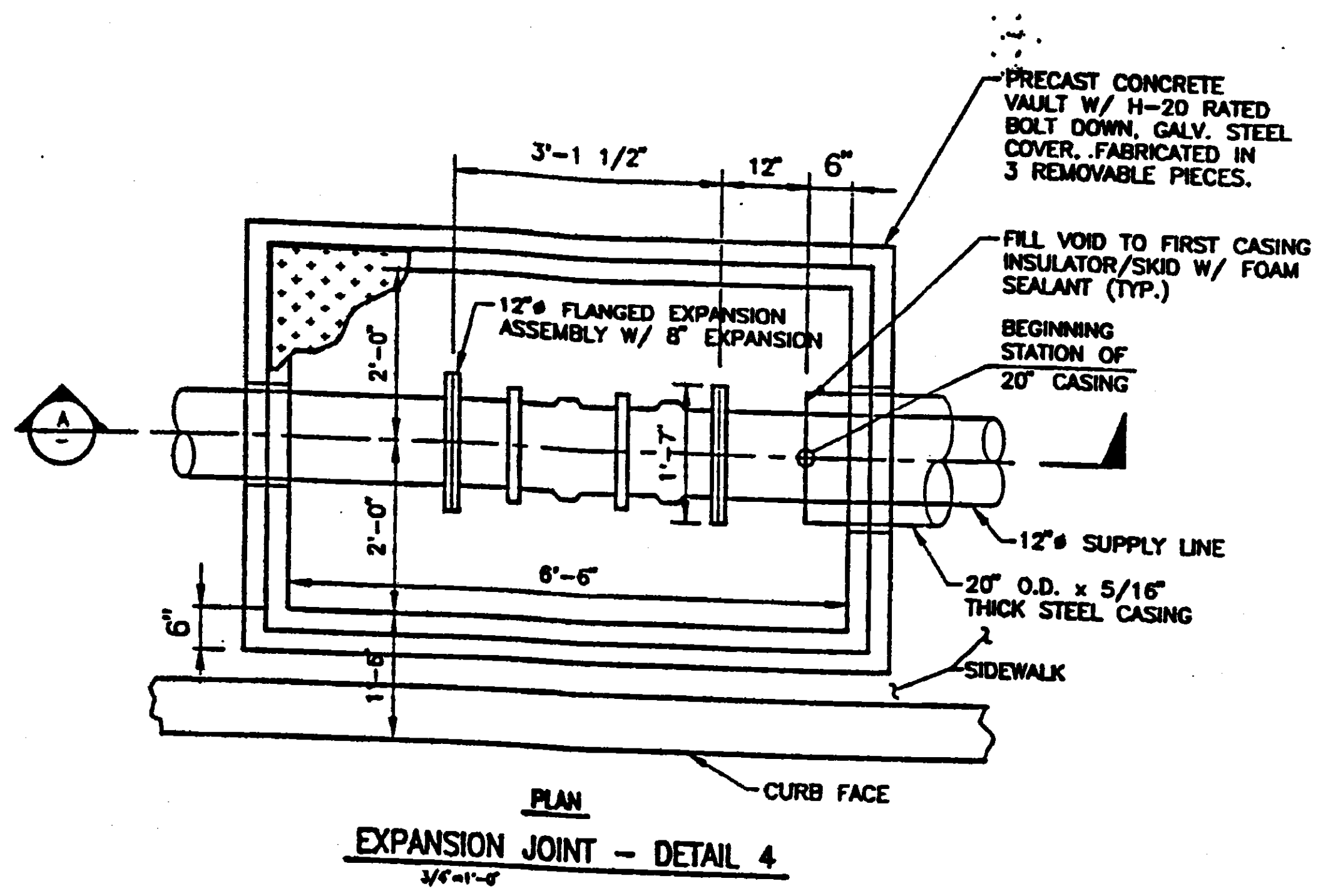
BOYLE
 Engineering Corporation

Mark P. Reitz
 Project Manager

BRIDGE NO.
 42-144
 POST MILE

LINCOLN AVE. OVER CROSSING
 SUPPLY LINE CROSSING DETAILS

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISIONS DATES (PRELIMINARY STAGE ONLY)	SHEET OF
		2 2



AS BUILT PLANS
Contract No. 06-342123
Contractor: MCM Const.
Resident Engr.:
Les Hickenbotham
Date of Completion: 11/13/98
By: David L. Vallejos
3/9/99

CCO #24
SHEET 8 OF 8



FRED410101 DECK2.DWG 1-1		DESIGN DETAILS QUANTITIES	By Checked By Checked By Checked	BOYLE Engineering Corporation	Mark P. Reitz Project Manager CU EA	BRIDGE NO. 42-144 POST MILE	LINCOLN AVE. OVER CROSSING SUPPLY LINE CROSSING DETAILS
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	DISCARD PRINTS BEARING EARLIER REVISION DATES	REVISIONS DATES (PRELIMINARY STAGE ONLY) SHEET 8 OF 8

AS BUILT PLANS
Contract No. 06-342123
Contractor: MCM Const.
Resident Engr.:
Les Hickenbotham
Date of Completion: 11/13/88
By: David L. Vallejos

39199

NOTES:

1. SUPPLY LINE SHALL BE INSTALLED PARALLEL TO BRIDGE DECK.
2. AT ALL PIPE SUPPORTS THE PIPE CLAMP SHALL BE SHIMMED WITH STEEL WASHER PLATES TO PROVIDE 1/4" CLEARANCE BETWEEN SUPPLY LINE AND PIPE CLAMP.
3. FOR CONTINUATION OF SUPPLY LINE AT ENDS, SEE ROAD PLANS, SHEET L-39.

LEGEND:

T.O. VALVE TOP OF VALVE
T.O.P. TOP OF PIPE
T.O.C. TOP OF CASING
T.O.V. TOP OF VAULT

CASING INSULATORS SHALL BE FURNISHED & INSTALLED WITHIN 18" OF ALL BELL ENDS OF 12" SUPPLY LINE & WITHIN 12" OF BOTH ENDS OF CASING PIPE. INSULATORS SHALL ALSO BE FURNISHED & INSTALLED EVERY 7' ON CENTERS OR MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS LESS.

STEEL CASING PIPE
20" O.D. x 5/16" THICK,
MORTAR IN ABUTMENT
BACKWALL

SEE SUPPLY LINE PROFILE-
WEST SIDE FOR CONTINUATION

OPENING SHALL BE PIPE OUTSIDE
DIAMETER PLUS 8" (21 1/4").
CENTERED ON SUPPLY LINE

SEE CONCRETE PIPE SUPPORT
DETAILS, 2 & 3,
SHEET 2

OPENING SHALL BE PIPE BELL
O.D. PLUS 2" (18.5")
12" SUPPLY LINE W/ RESTRAINED
RUBBER GASKETED JOINTS (TYP.)

PROVIDE 2"x4" OPENINGS
IN SOFFIT SEE DRAWINGS
ON SHEETS
OF CCO-24

PART ELEVATION
3/8"=1'-0"

BOYLE
Engineering Corporation

Mark P. Reitz
Project Manager
CU
EA

BRIDGE NO.
42-144
POST MILE

LINCOLN AVE. OVER CROSSING
SUPPLY LINE CROSSING DETAILS

DISCARD PRINTS BEARING
EARLIER REVISION DATES

REVISIONS DATES (PRELIMINARY STAGE ONLY)

SHEET 1 OF 2

NORTH SIDE BRIDGE

272 81
T.O. VALVE

PART TYPICAL SECTION IN BRIDGE
3/8"=1'-0"

12" FLANGED GATE VALVE
W/ C.I. VALVE BOX MARKED
"WATER" AND 12" BLIND FLANGE
W/ 1" TAP & PLUG
270 21
T.O.P.

271 14
T.O.P.

272 11
T.O.P.

272 05
T.O.P.

274 76
T.O.V.

272 92
T.O.C.

SEE EXPANSION JOINT
DETAIL 4, SHEET 2

272 47
T.O.C.

STEEL CASING PIPE
20" O.D. x 5/16" THICK
MORTAR IN ABUTMENT
BACKWALL (TYP.)

OPENING SHALL BE
PIPE OUTSIDE
DIAMETER PLUS 8" (21 1/4")

272 85
T.O.C.

STEEL CASING PIPE
20" O.D. x 5/16" THICK
MORTAR IN ABUTMENT
BACKWALL (TYP.)

272 57
T.O.C.

272 34
T.O.P.

272 31
T.O.P.

270 38
T.O.P.

272 31
T.O. VALVE

ELEVATION
THRUST BLOCK DETAIL
NOT TO SCALE

NOTE: COAT REBAR WITH 2 COATS
OF HIGH SOLIDS EPOXY PER
ASTM D 2697

CONCRETE VOLUME = 2.9 C.Y.

PLAN-SECTION Y-Y
NTS

NOTES:-- SEE SURVEYOR NOTE FOR COORDINATES OF
CONTROL POINTS

PLAN-SECTION X-X
NTS

2 SACK
SAND SLURRY
END OF WEST ABUT

END OF EAST ABUT
2 SACK
SAND SLURRY

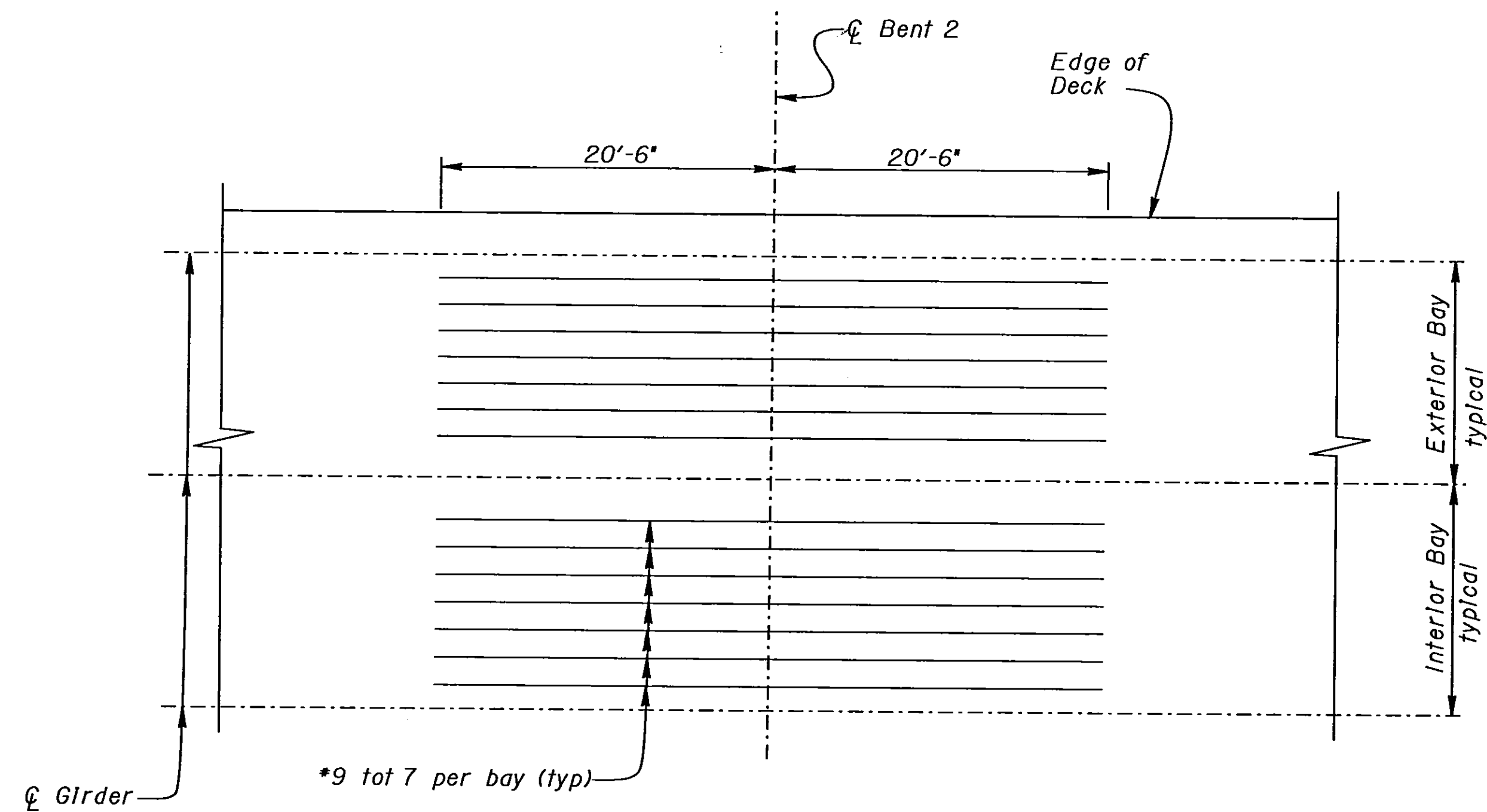
15 REBAR OVER
PIPE FITTING
BOTTOM OF TRENCH
3" MIN

7 OF 8

AS-BUILT

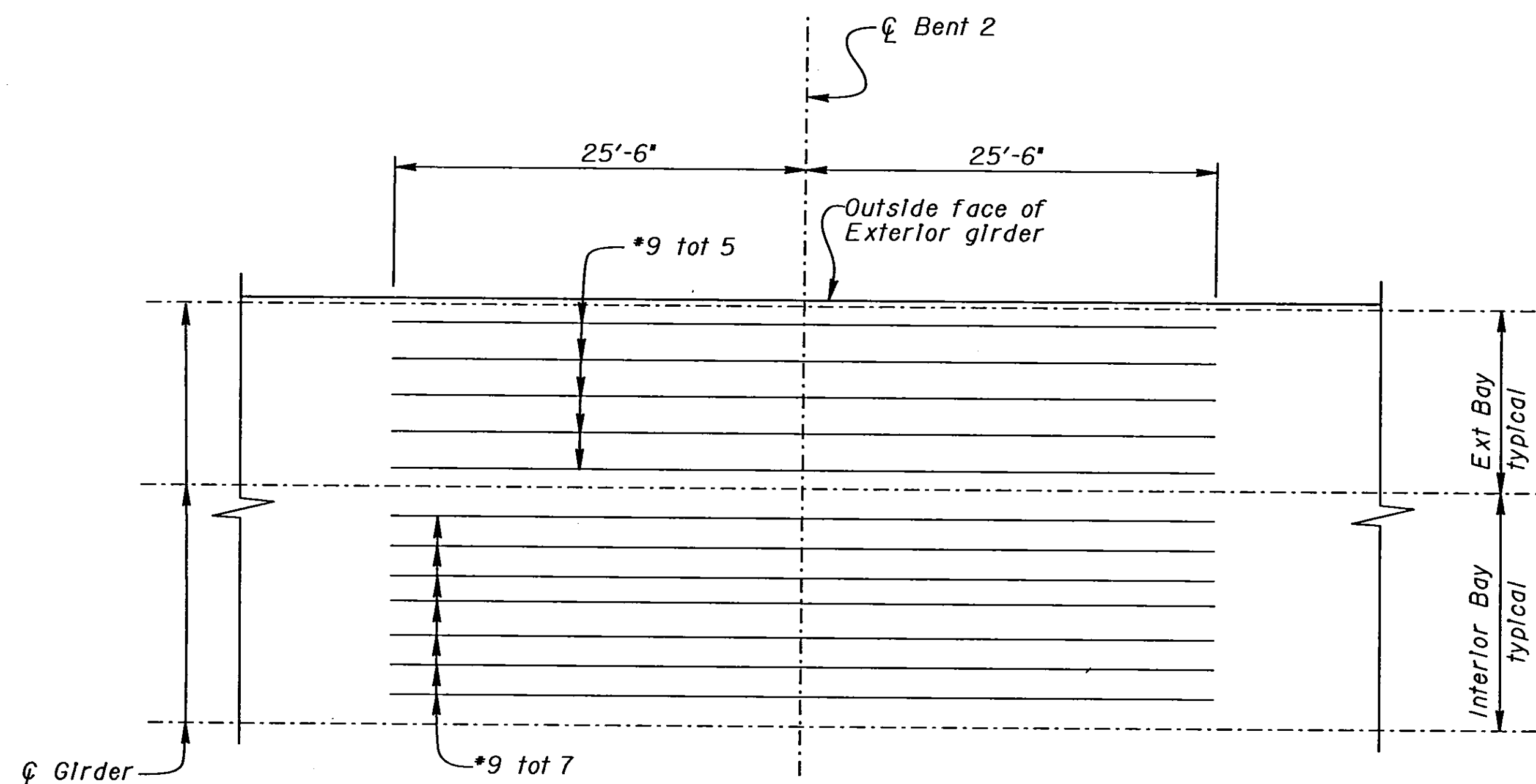






TOP REINFORCEMENT

No Scale



BOTTOM REINFORCEMENT

No Scale

NO AS BUILT CORRECTIONS

AS BUILT N.K. 6-15-99

CORRECTIONS BY DAVID VALLEJO

CONTRACT NO. 06-342124

DATE 3-9-99

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fro	41	R12.1/R20.7	461	489

Patricia S. Preston REGISTERED ENGINEER - CIVIL		PROFESSIONAL ENGINEER PATRICIA S. PRESTON No. 49591 Exp. 9-30-96 CIVIL STATE OF CALIFORNIA
1-27-97		
PLANS APPROVAL DATE		

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DESIGN	BY Overcomer Hor	CHECKED Stanley Ku
DETAILS	BY Norm Kelley	CHECKED Stanley Ku
QUANTITIES	BY A.L. Hough	CHECKED Stanley Ku

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES
STRUCTURE DESIGN 8

BRIDGE NO.
42-144
POST MILE
R17.1

LINCOLN AVE OVERCROSSING
GIRDER REINFORCEMENT

DS OSD 2139 (CADD 9/95)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

CU 06227
EA 342121

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET 12 OF 15

USERNAME => \$USER
\$REQUEST

DATE PLOTTED => \$DATE

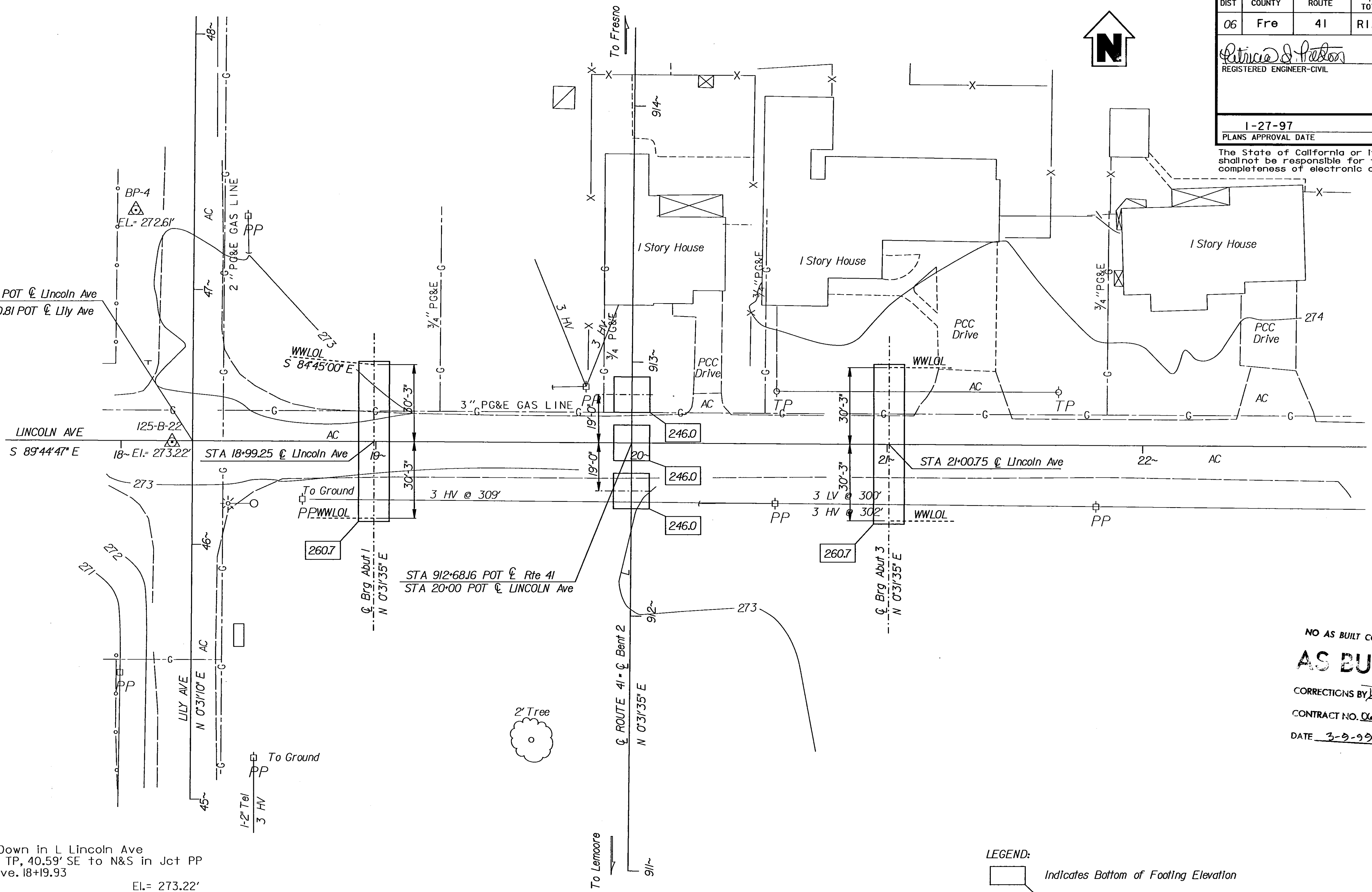
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Fre	41	R12.1/R20.7	452	489

Patricia S. Preston
REGISTERED ENGINEER-CIVIL

REGISTERED PROFESSIONAL ENGINEER
PATRICIA S. PRESTON
No. 49591
Exp. 9-30-96
CIVIL
STATE OF CALIFORNIA

1-27-97
PLANS APPROVAL DATE

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BENCH MARKS
I25-B-22
Fnd T-Bar/cap 0.1' Down in L Lincoln Ave
69.38' NE to N&S in TP, 40.59' SE to N&S in Jct PP
0.58' Rt. Lincoln Ave. 18+19.93
El.= 273.22'

BP-4
Fnd 1" IP W red DOT plug. NW Quad of Lily
and Lincoln Avenues. 90.19' Lt. Lincoln
Ave. 18+05.47
El.= 272.61'

NO AS BUILT CORRECTIONS
AS BUILT N.K. 6-11-99
CORRECTIONS BY DAVID VALLEJOS
CONTRACT NO. 06-3A212A
DATE 3-9-99

LEGEND:
 Indicates Bottom of Footing Elevation

PRELIMINARY INVESTIGATION SECTION				DESIGN BY <i>Overcomer Hor</i> CHECKED <i>Stanley Ku</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES STRUCTURES DESIGN 8	BRIDGE NO. 42-144	LINCOLN AVENUE OC FOUNDATION PLAN
SCALE 1"=20'	DATUM MSL, 1929	PHOTOGRAMMETRY AS OF: SURVEYED BY Dist. 9/88 FIELD CHECKED BY PJC 1/96	DRAWN BY BWL 1/96 TRACED BY BWL 1/96 CHECKED BY PJC 1/96	DETAILS BY <i>Norm Kelley</i> CHECKED <i>Stanley Ku</i>			POST MILE R 17.1	
ALIGNMENT TIES Dist. Elec. File				QUANTITIES BY <i>AL Hough</i> CHECKED <i>Stanley Ku</i>				

DS OSD 2145 (4/89)

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

CU 06250
EA 342121

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)						SHEET	OF
3-07-96	3-08-96	3-20-96	3-22-96	3-26-96		3	15

*****USER***** *****DCNSPEC***** *****SYTIME*****